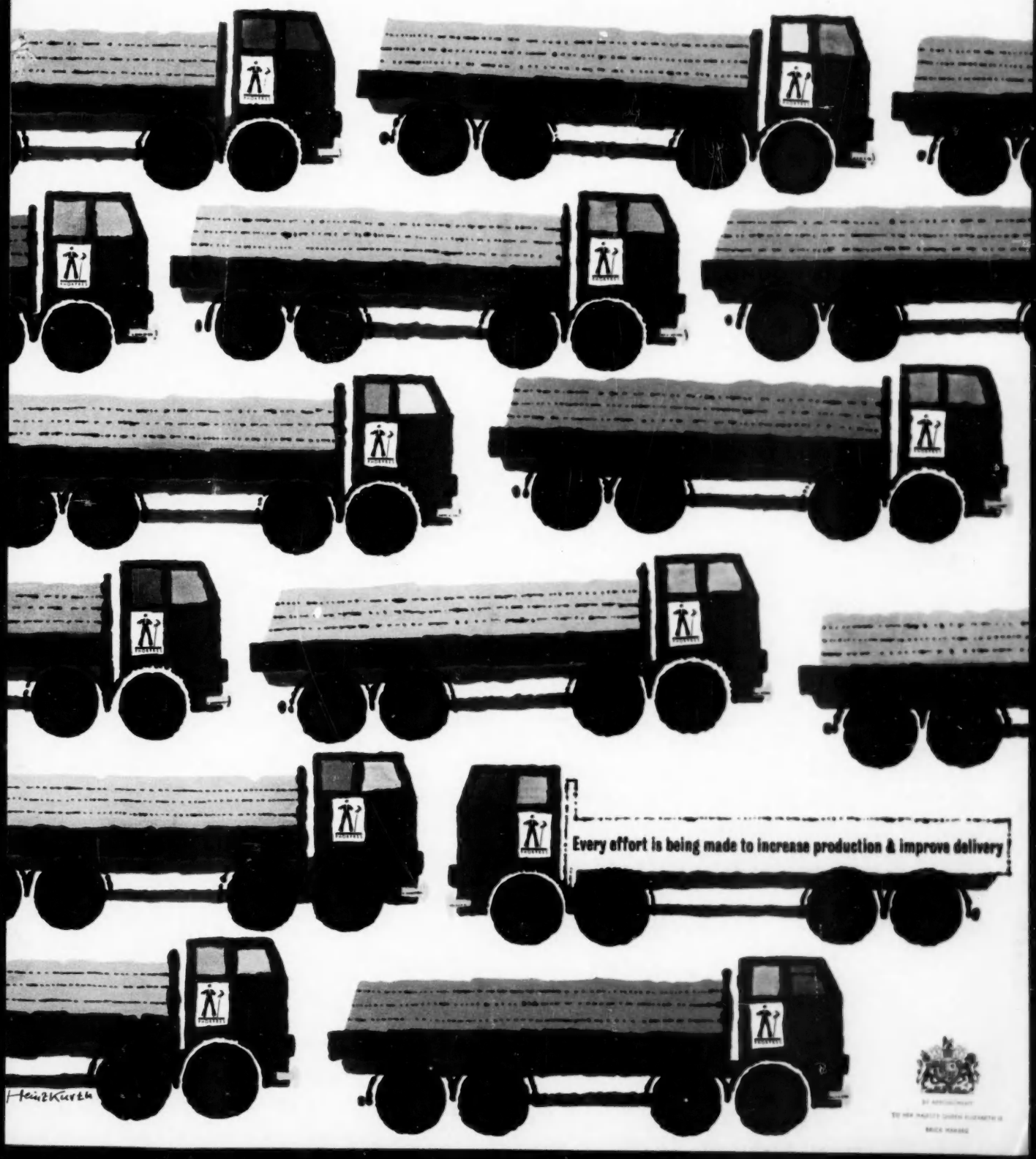
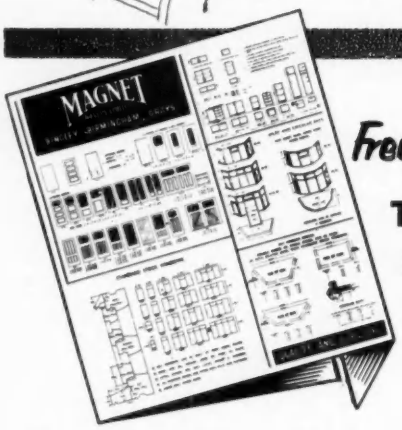
The Builder

A NEWSPAPER FOR THE ARCHITECT AND CONSTRUCTOR

NO. 6103 118TH YEAR. FRIDAY, MAY 6, 1960. Price 1/6.



Magnet can deliver WINDOWS anywhere in the country from ample stocks at these three centres



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For Standard Doors and Windows -contact

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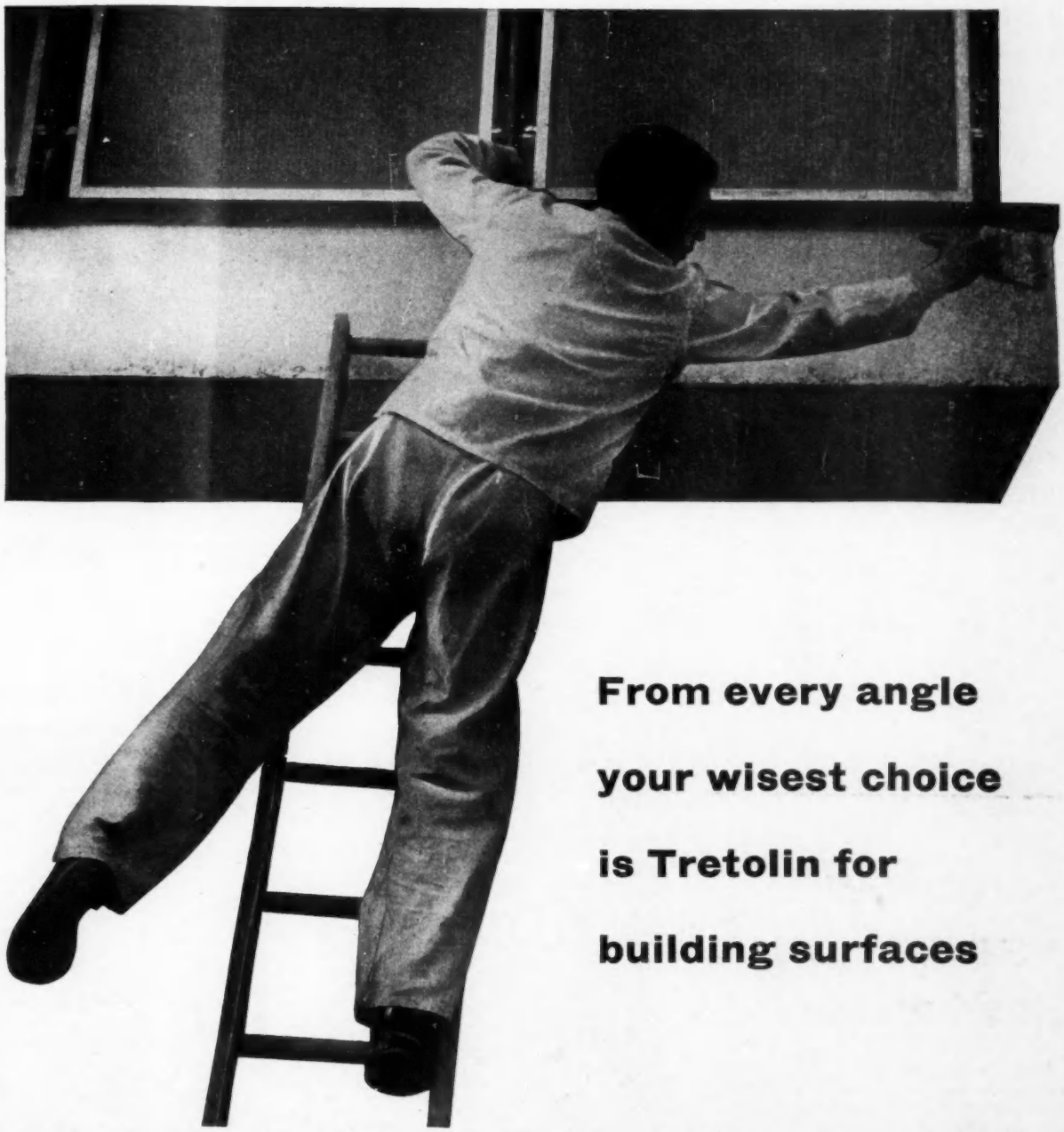

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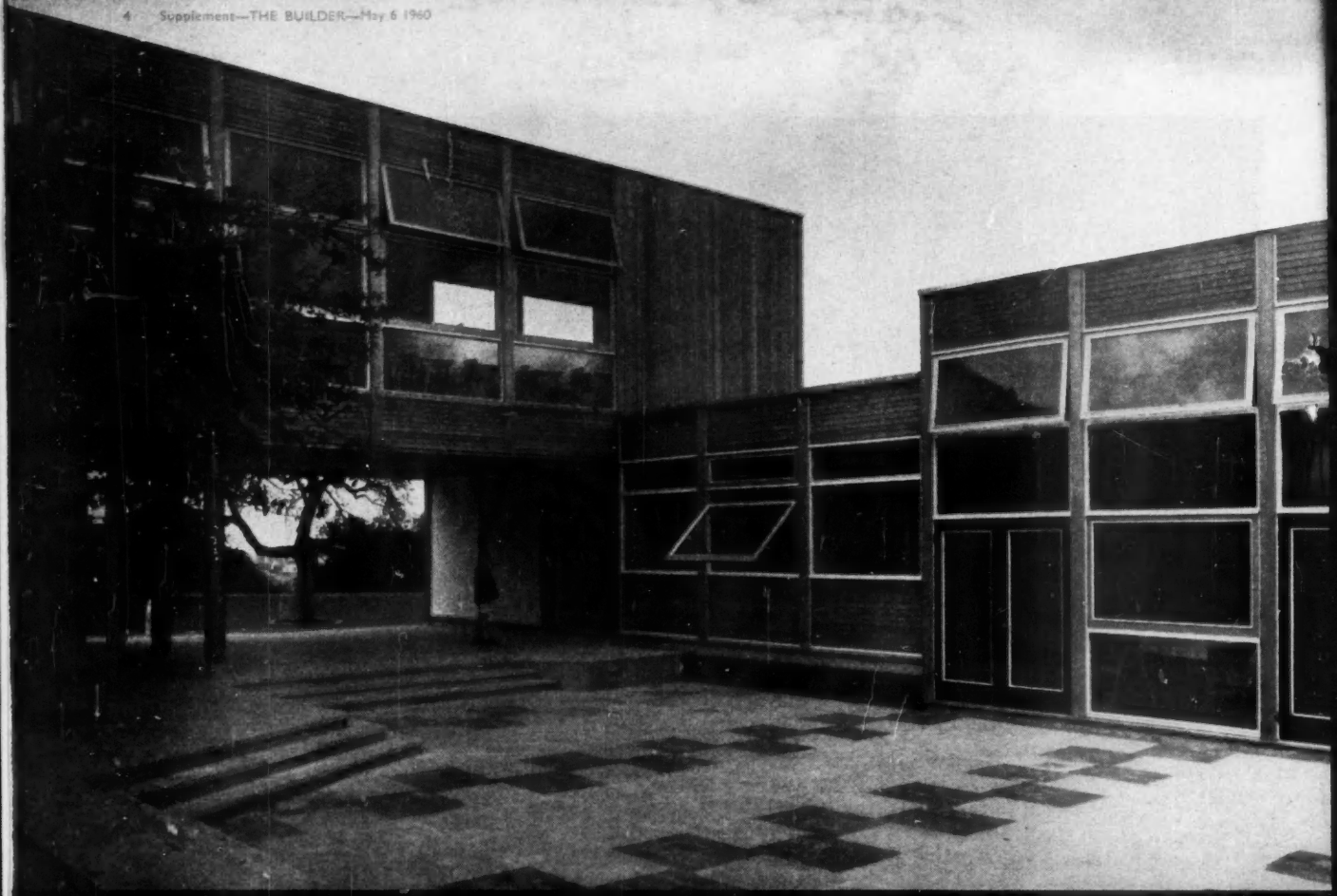
Although versatility is claimed for many coatings, Tretolin, for the painting of *building surfaces*, really merits this description. Tretolin is not only the ideal paint for asbestos cement but is equally efficient and durable on concrete, brickwork and other surfaces.
Tretolin's performance under both interior and exterior conditions, or when exposed to chemical attack is unequalled and no sealers are required. It is available in a wide range of selected B.S.2660 colours and a series of one-coat roofing shades. Make Tretolin your first choice—it will be your wisest!

We shall be glad to send a set of Tretolin specification sheets for your files.

Tretolin Paint

For direct application to Asbestos-Cement, Concrete, Cement Renderings, etc.

TRETOL LTD., Makers of Paint & Building Products, THE HYDE, LONDON, N.W.9. Telephone: Colindale 7223



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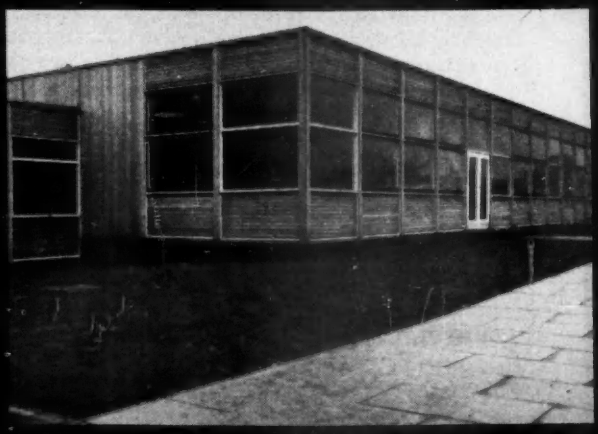

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Evomastics Ltd. produce a very wide range of specialised mastics which solve an infinite number of sealing problems. Whatever your problem, be it joint movement, galvanic corrosion, temperature, solvents or just plain weather, the technical resources of Evomastics are at your service to give you the right answer. The methods of application of mastics are also an important consideration to which Evomastics give close attention and you can be sure of a quick, clean and economical job when you work to their recommendations.

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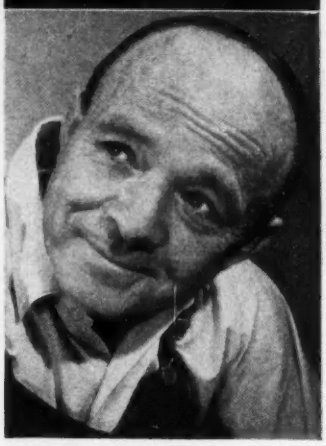
H-W.163

THOSE WHO SPECIFY IT...

THE ARCHITECT with an eye for efficiency also sees in the Lynx's clean-cut lines contemporary styling at its very best.

THOSE WHO INSTALL IT...



THE PLUMBER finds it easiest of all to fit; the concealed fixing is neat and simple.

THOSE WHO OWN IT...

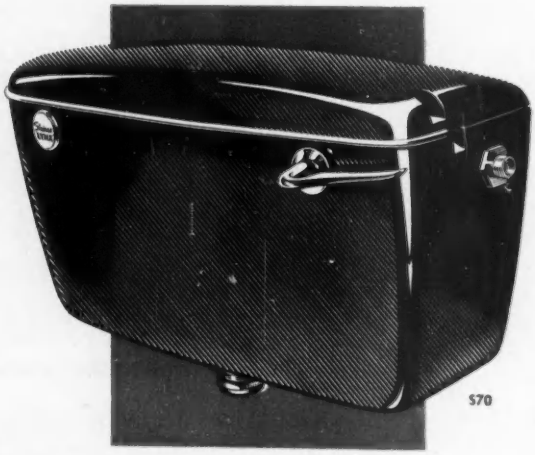
THE CUSTOMER is delighted to discover that such a handsome cistern also has the most discreetly quiet and dependable mechanism she's ever encountered.

...ALL ACCLAIM THE LYNX

Shires Lynx is today's most popular cistern, for replacements or new installations. Lynx high and low level cisterns are made of black Duranite—tough and durable, non-crazing, non-corrosive. The Kingfisher syphon mechanism gives a powerful flush: made of polythene—non-corrosive, non-ageing and unbreakable—it can be used in hard or soft water areas. It conforms to BSS 1125 and Water Works specifications. Capacities: 2, 2½ and 3 gallons.

EVERY GENUINE LYNX HAS THE NAME ENGRAVED ON THE CISTERN

Shires are the largest manufacturers of flushing cisterns in the world. They also make W.C. pans and seats, pipes, wash-basins and complete W.C. suites.



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GUISELEY, YORKS
and at London, Birmingham & Glasgow: Shires (Ireland) Ltd, Dublin
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made by Shires *for your convenience*

GOOD ALL ROUND

FRONT ELEVATION OF WIGMORE STREET DEVELOPMENT

REAR ELEVATION OF THE DEVELOPMENT

Architect: CECIL H. ELSOM, F.R.I.B.A.

Contractors: HIGGS & HILL, LTD.

In design, appearance and in quality of work, this outstanding building in the heart of the West End of London is good all round. A good all-round material was also used for the erection of brickwork in the shape of Febmix Admix Mortar Plasticiser, the Architect obtaining greater durability by the fact of the mortar having increased resistance to repeated cycles of freezing and thawing and to the passage of water, while the Contractor benefited by reduction in material cost with improved plasticity and workability of the mortar, and a saving in handling and storage costs by the fact of each 40-gallon drum of Febmix Admix Mortar Plasticiser replacing 14½ tons of hydrated lime.

FOR BETTER MORTAR ALL ROUND

BETTER USE

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MORTAR PLASTICISER

From BUILDERS' MERCHANTS — EVERYWHERE!

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DHB/7987

heating and sanitary equipment by Ideal-Standard goes into Leeds flats

Architect:
The Late R. A. H. LIVETT, O.B.E., A.R.I.B.A.
Leeds City Architect

Consulting Engineers — Heating:
OSCAR FABER & PARTNERS
London, W.C.1

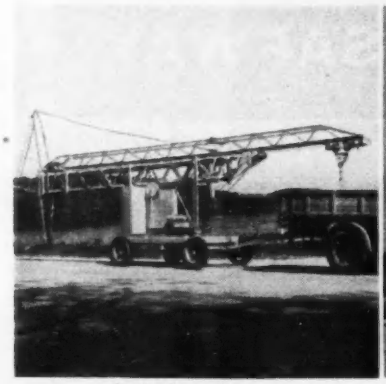
Heating and sanitary equipment by Ideal-Standard has been installed in the new Leeds City Council flats at Saxton Gardens. Over a thousand Ideal cast-iron column radiators and over nine hundred pieces of 'Standard' vitreous china sanitary ware have gone into these multi-storey buildings.

Ideal radiators will last a lifetime because they are made of cast-iron. No corrosion problems. No likelihood of replacement in a few years time. And they have the strength to resist accidental knocks. 'Standard' sanitary ware is made of vitreous china. Non-porous right through, this material is the most suitable for products which should be the epitome of hygiene.

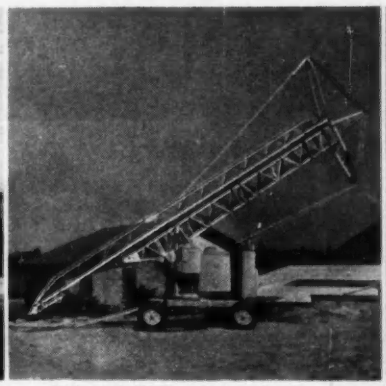
IDEAL Standard

Foremost for heating and sanitary equipment

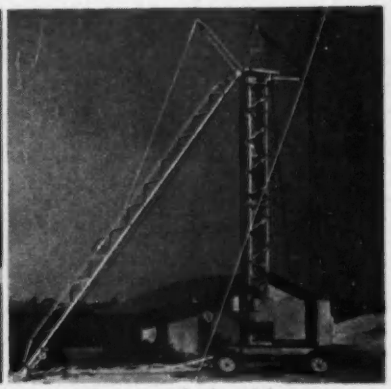
IDEAL BOILERS & RADIATORS LIMITED · IDEAL WORKS · HULL



Arrival on site . . .



"Mast & Jib" unit is raised . . .



reaches a vertical position . . .

SLASH YOUR BUILDING COSTS . . . with the AMAZING 205T "RECORD" TOWER CRANE

JUST LOOK AT THESE STAR FEATURES

- ★ LOW COST
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- ★ THREE SAFETY DEVICES
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MAX. S.W.L. (UP TO 27 FEET RADIUS)		10 CWT.
S.W.L. AT MAXIMUM RADIUS (34 FEET)		8 CWT.
HEIGHT UNDER HOOK:	SADDLE JIB:	41 FEET
" " "	: RAISED 45° :	59 FEET
" " "	: RAISED 60° :	66 FEET
HOISTING SPEED	:	100 FEET/MIN
TRAVERSING SPEED	:	82 FEET/MIN
SLEWING SPEED	:	1 REV. PER MIN.

YOU CANNOT AFFORD TO BE WITHOUT ONE

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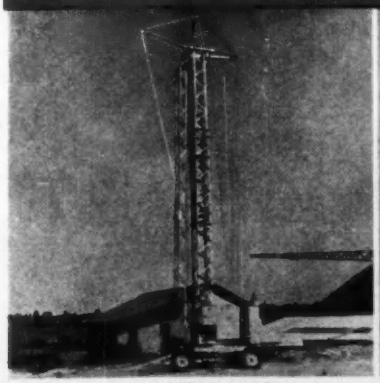
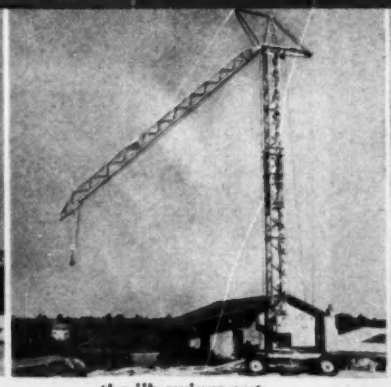
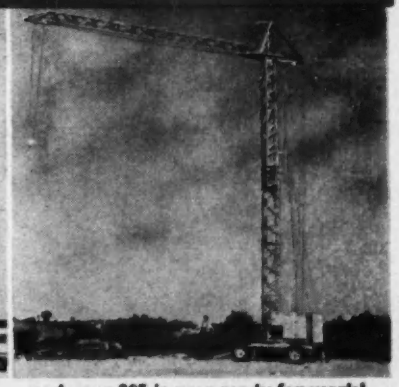


the inner mast begins to telescope . . .



the jib swings out . . .



and your 205 is now ready for work!

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THE CRANES 10 YEARS AHEAD . . . F. POTAIN & CO. (FRANCE)

STERLING SAFWAY

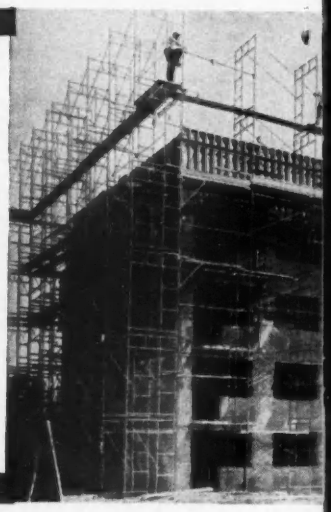
FASTER

HOIST TOWER

Illustration on left is of a tower for a centrally slung hoist.

Contract by Reema Construction Ltd., Salisbury, for 14 blocks of multi-storey dwellings for the Leeds Corporation.
Architect: the late R. A. H. Livett, Esq., O.B.E., A.R.I.B.A.

Illustration below shows the full access that can be given at any level to suit scaffold.

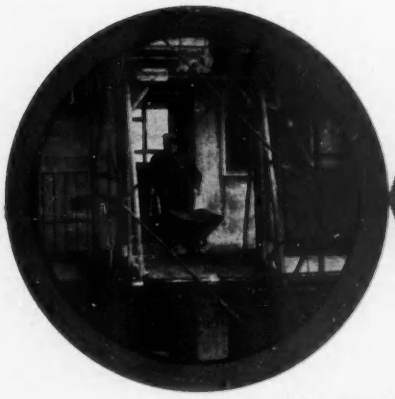


Photograph by permission of J. Cave, Esq. B.Sc., M.I.C.E., F.R.I.C.S.
Borough Engineer and Surveyor
Hendon Borough Council

The first fabricated Hoist Tower produced in this country. It is especially designed to give the following advantages :-

1) Quickest erection — 50 ft. in 2 hours complete.
2) It is designed for unskilled labour.
3) Greater Stability and Strength.
4) Only 5 component parts — No loose fittings.
5) It is the COMPLETE answer and includes self-locating boards — Wire mesh panels — manually operated gates at base — safety gates at working lift — will suit any normal type of hoist.

USE



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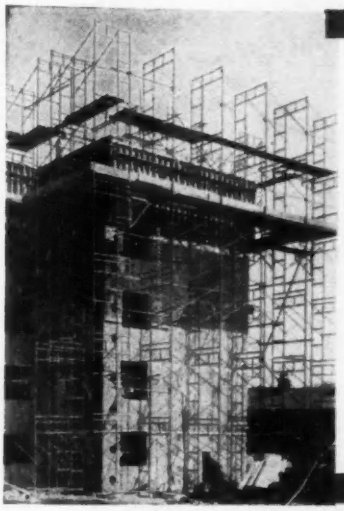
AIDS TO BUILDING



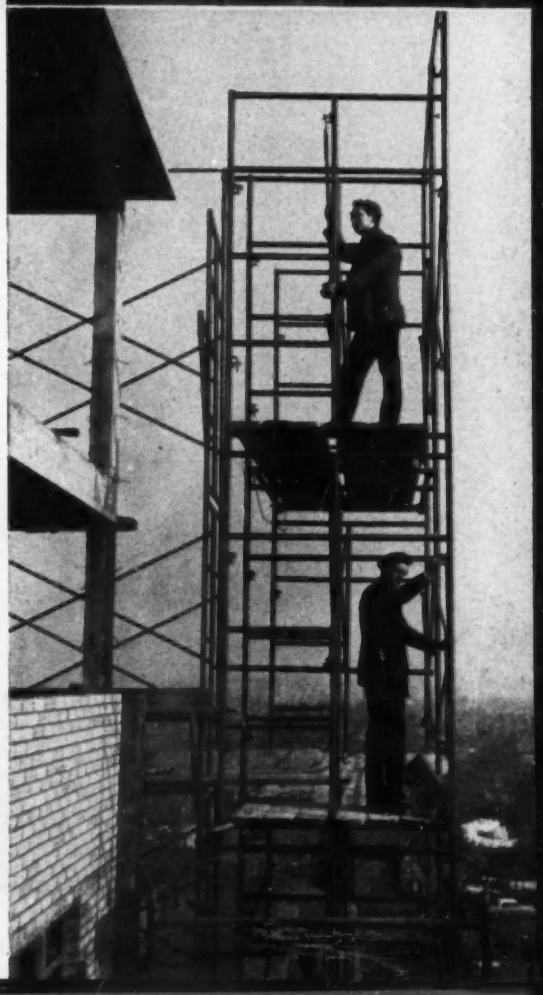
FULL PURPOSE 8′ 9″ UNIT FRAME

The illustrations on the right show the ease of handling storey height frames and the perfect working conditions given to the tradesmen, making increased productivity possible. No other scaffold gives such ideal working conditions together with increased stability, safety, speed of erection and economy of purchase.

Main Contractors:
Messrs. G. Wimpey & Co. Ltd.

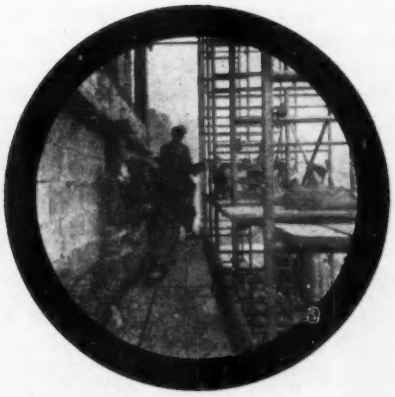
Independent contractors' reports are now proving the advantages claimed for this new Safway access equipment.

1) Ease of handling and speed of erection.
2) Elimination of losses of tube and fittings.
3) The increase of tradesmens' productivity due to perfect working conditions.
4) The general overall resultant economy.



SAFWAY

over **50%** saving in labour



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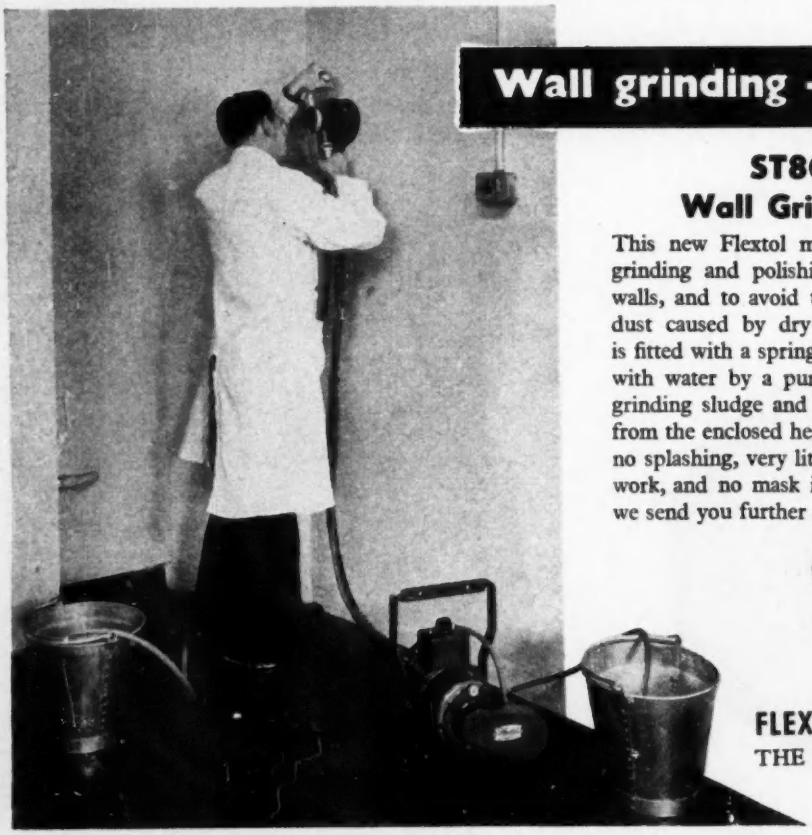

Wall grinding - without dust

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Wall Grinding Machine

This new Flextol machine has been designed for grinding and polishing terrazzo and stone interior walls, and to avoid the objectionable and injurious dust caused by dry grinding. The grinding head is fitted with a spring loaded shield and is supplied with water by a pump on the electric motor, and grinding sludge and surplus water are carried away from the enclosed head by a pipe. There is no dust, no splashing, very little cleaning up of surrounding work, and no mask is needed by the operator. May we send you further particulars?

Flextol POWER TOOLS

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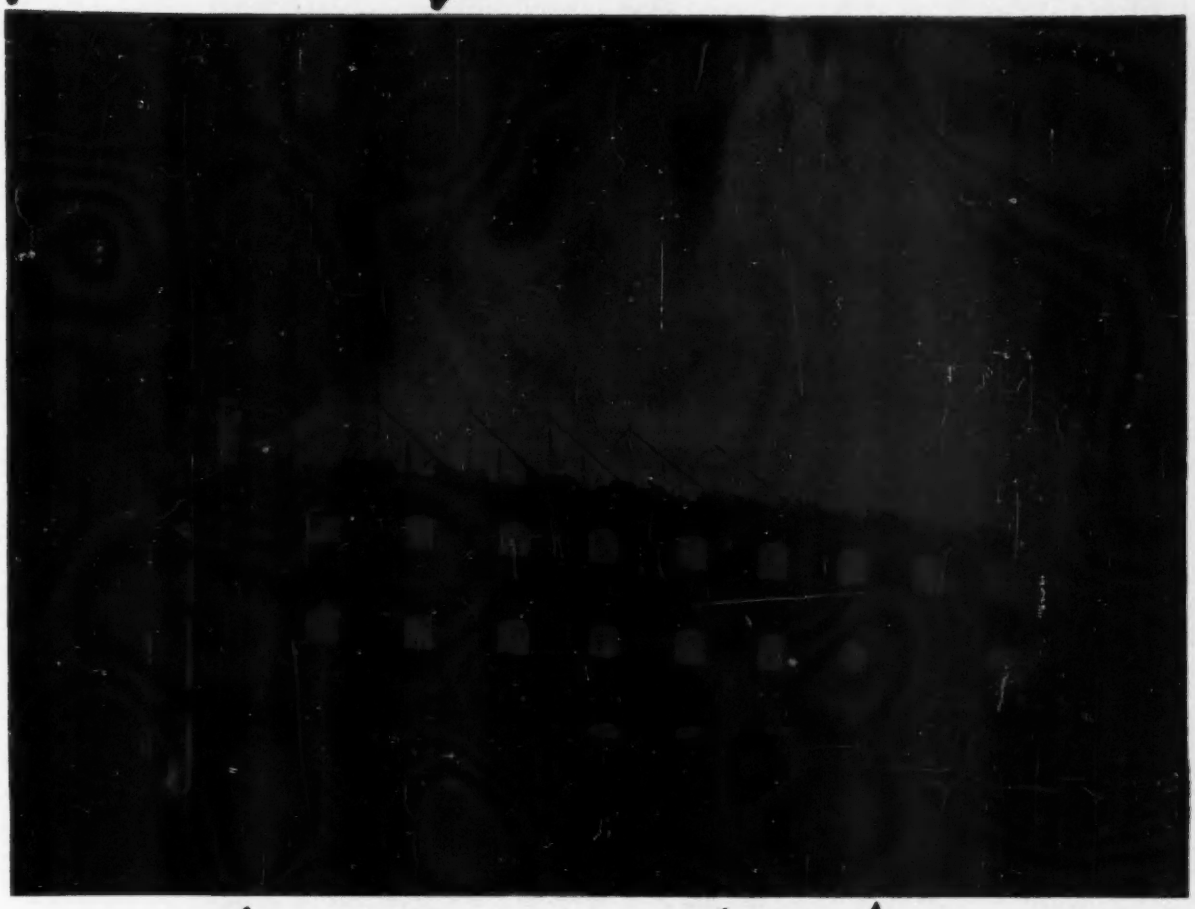
for want of 10 minutes....



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FIRE! ... the critical few minutes between the alarm and the arrival of the Brigade make all the difference.

TREROCK! ... if only the roof lining had been coated with Trerock the flames would not have spread and another building would have been saved.

put time on your side by using **TREROCK**

Trerock raises insulation board to a Class 1 surface when tested for surface spread of flame in accordance with BS.476, Part 1, 1953. Official Test Report No. 1560 shows NO SPREAD OF FLAME AT ALL on Trerock coated boards.

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TREROCK is the only Flame Retardant Paint which also gives a full decorative effect.

TREROCK FLAME RETARDANT PAINT

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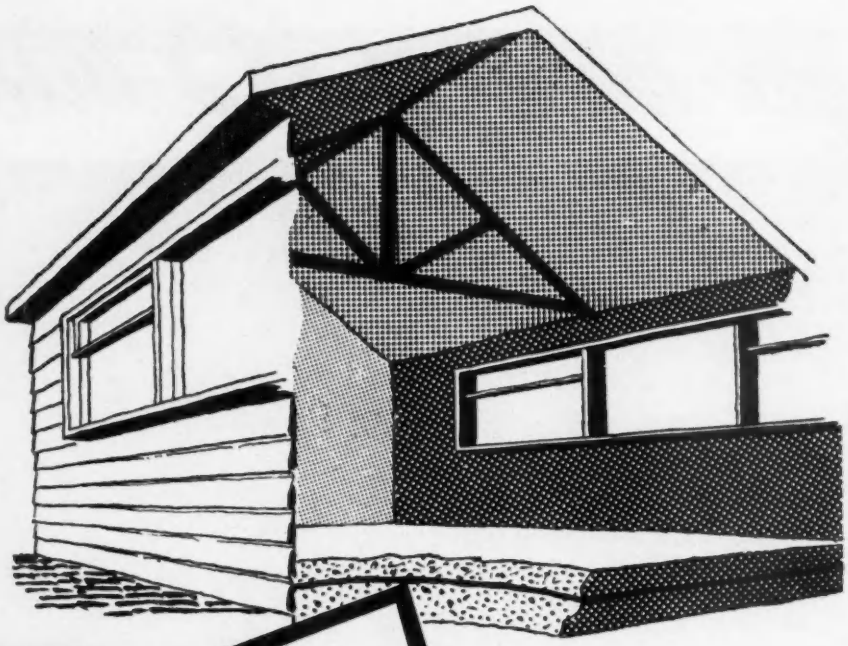

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RISING DAMP is dangerous—prevent entry by application of LACOL 1281, *the* Rubber/Bitumen Emulsion which forms a permanent damp barrier between two layers of concrete. Similarly an application of LACOL 1281 to a concrete roof will prevent DESCENDING DAMP.

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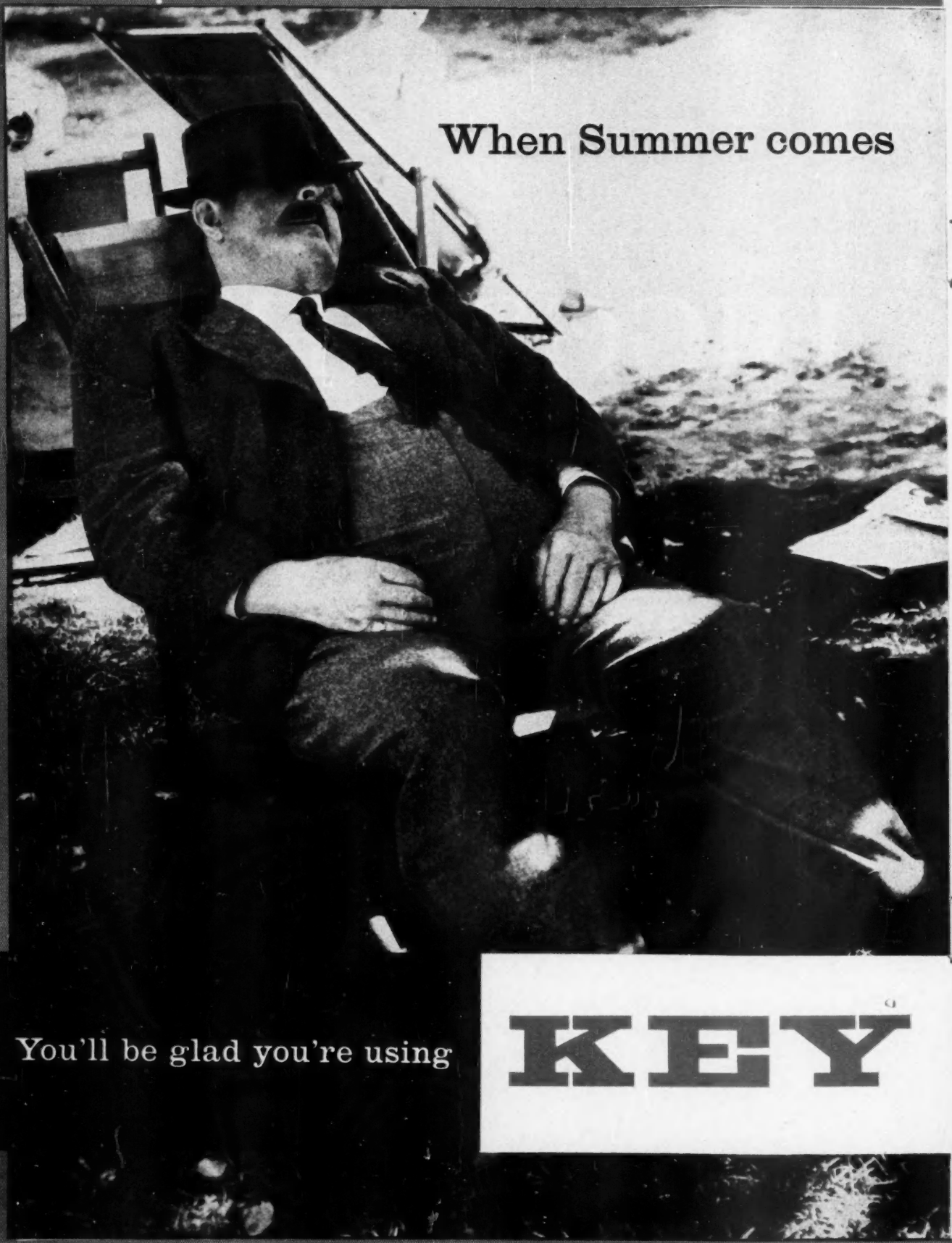
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You'll be glad you're using
KEY

An anticyclone is stationary over the roof of your car. Even Old Trafford has a heat haze. And everybody you meet makes you hotter still . . . *just the weather for building, eh?* Tell them all your concreting's held up, and they'll say you're never satisfied.

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- British Standard 'Kite' marking on every pipe
- 50 years' experience in pitch fibre
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Pitch Fibre Drainpipes

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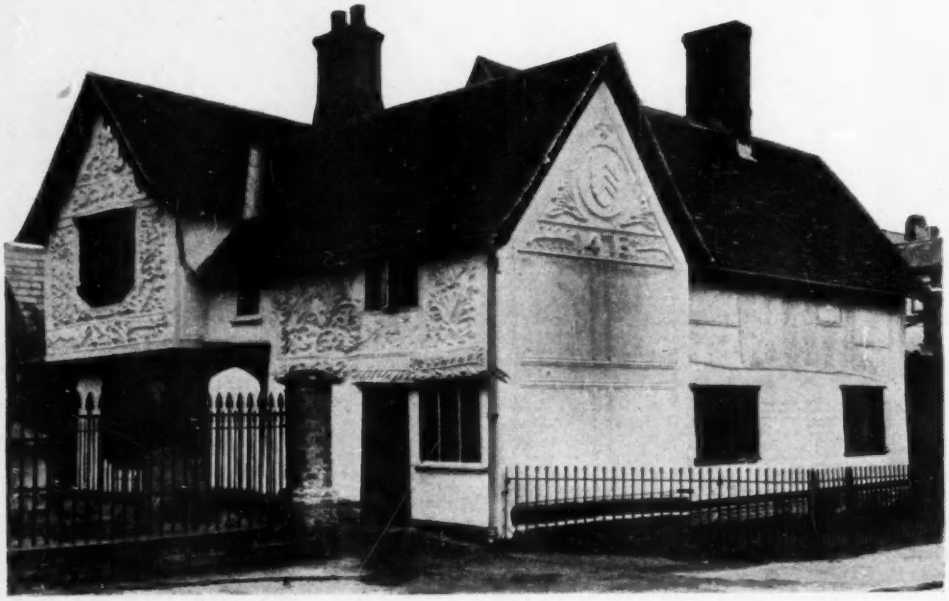

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for Restoring the past

When the Ancient House, Clare, built in 1473 and a building of much archaeological interest, was repainted recently, Lillington's Paintcrete was selected. The choice of Paintcrete was a tribute to its unique characteristics which will now help to preserve this charming old house for future generations.

...and Brightening the future

But Paintcrete brightens the future too! Available in white and fourteen attractive shades it provides a permanent, protective colour finish for brickwork, cement renderings, rough cast etc. at an economical price. Its waterproof finish will withstand the severest weather and remain in perfect condition far longer than any other colour-wash and it does not powder or flake.

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or continuous lift

offers unique advantages

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High handling capacity, 470 to 700 persons per hour

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. . . and your power and light switches and your dangerous wires. But how—when a factory is filled with smoke and heat that can kill a man in one breath . . . ? Ask any Fire Chief. He will tell you: the rapid removal of smoke and heat is the key to fire fighting. It enables him to get at and put out the fire before it can spread—and with the least smoke and water damage. Colt Dual Purpose Fire Ventilators not only provide an automatic means of removing smoke and flames, but also give excellent day-to-day working conditions. Hence their widespread adoption by industry. For the full story of combined ventilation and fire protection write for the pamphlet "Some Aspects of Fire Prevention" by M. J. Reaney, to Dept: 25

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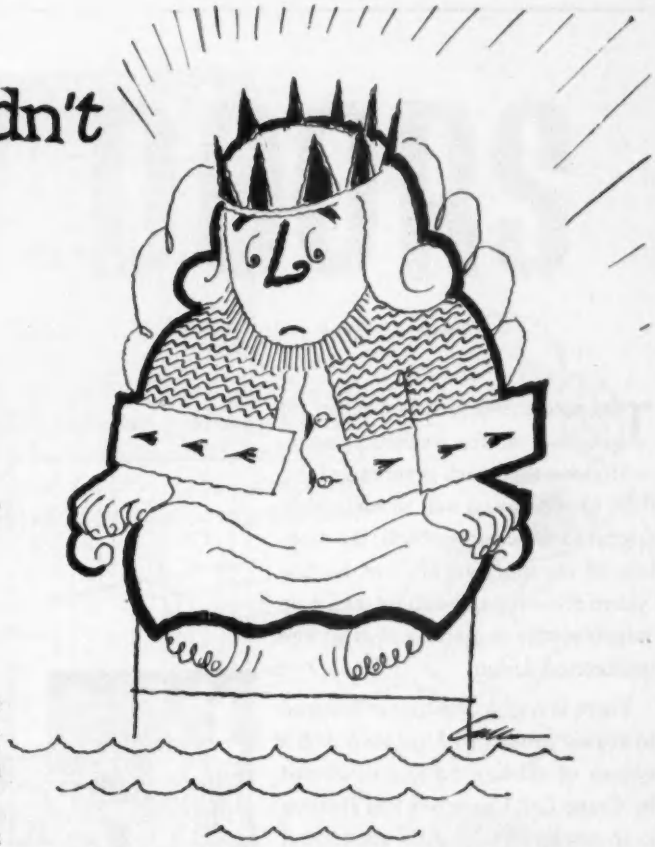

Sealocrete P.V.C. Waterbar can !

Inserted between each lift whilst the concrete is being placed, Sealocrete P.V.C. Waterbar ensures there is no seepage of water through floor to wall and construction joints.

Sealocrete P.V.C. Waterbar is made of a special grade of unfilled Polyvinyl Chloride, is chemically inert, non-corrosive and resistant to ageing.

Being flexible, it is specially recommended for joints where limited movement is expected. Cross and Tee Sections can also be supplied pre-fabricated.

Possessing all the properties of P.V.C. Waterbar, plus greater rigidity, Sealocrete Corrugated Bitumised Waterbar (Patented) combines maximum handling facility with lower cost—and may be preferred in specific applications.

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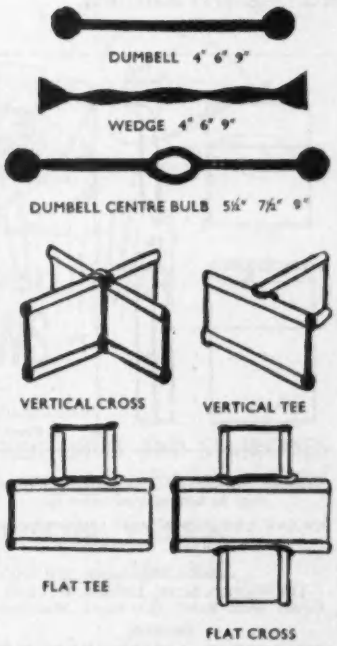
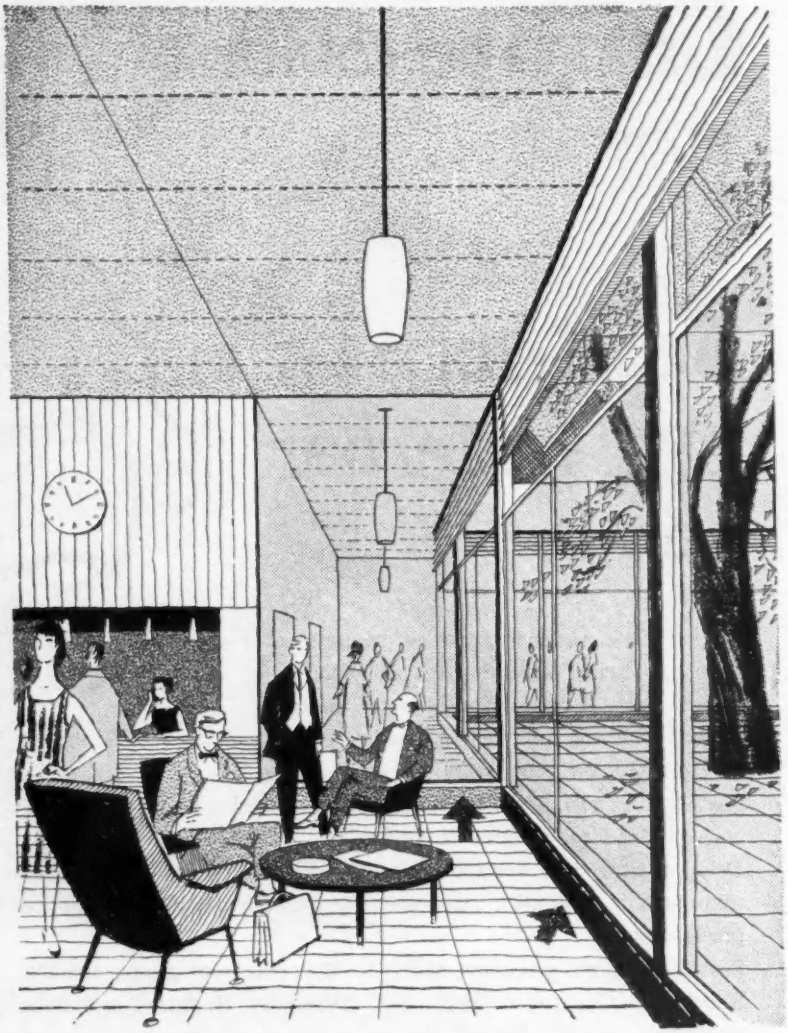
SIZES AND SECTIONS

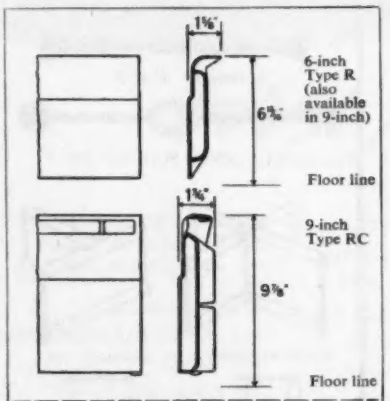


When windows must be wide and deep



THE need to introduce—whether for practical or for aesthetic reasons—windows that reach generously from floor to ceiling and wall to wall, might appear to present a problem: the problem of installing an efficient heating system economically without taking up valuable space or marring an otherwise uncluttered design.

There is one system that is designed to answer problems of this kind. It is a system of skirting heating developed by Crane Ltd. Crane Skirting Heating is so unobtrusive and its application so flexible that a great deal of freedom of arrangement is attained.



Manual (No. 423) on Crane Skirting Heating may be had on application to

CRANE LTD., 15-16 RED LION COURT, FLEET STREET, LONDON, E.C.4

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29

This heating system takes the form of panels which are used in place of the normal skirting. They avoid local 'hot spots' and distribute the warmth evenly where it is needed, without taking valuable floor or wall space. There are two types. Type R, which is purely radiant and made in panels 6-inches and 9-inches high; and Type RC (radiant-convector) in the 9-inch size only (used in the example illustrated and indicated by arrows). All panels are in 2-ft. and 1-ft. lengths and are made of cast iron, which gives them great resistance to accidental damage. The operations of calculating heat requirements and designing the pipework are in principle no different from those for conventional radiator heating systems.

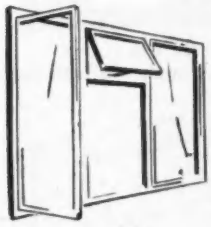
In all cases where the architect needs greater freedom of expression than conventional heating systems allow him, and at the same time has to pay due consideration to costs, the answer is, undoubtedly,

CRANE skirting heating

Fine

FLUSH DOORS

by John Sadd are more than mere entrances—they lend character to public buildings, offices, houses or flats. Sanded to a fine finish for painting and with careful attention to the veneers for polishing. The timber core infillings are machined and assembled by precision methods in our specialist Flush Door factory. All facings and edge lippings are secured to the core with waterproof Urea Formaldehyde adhesive.



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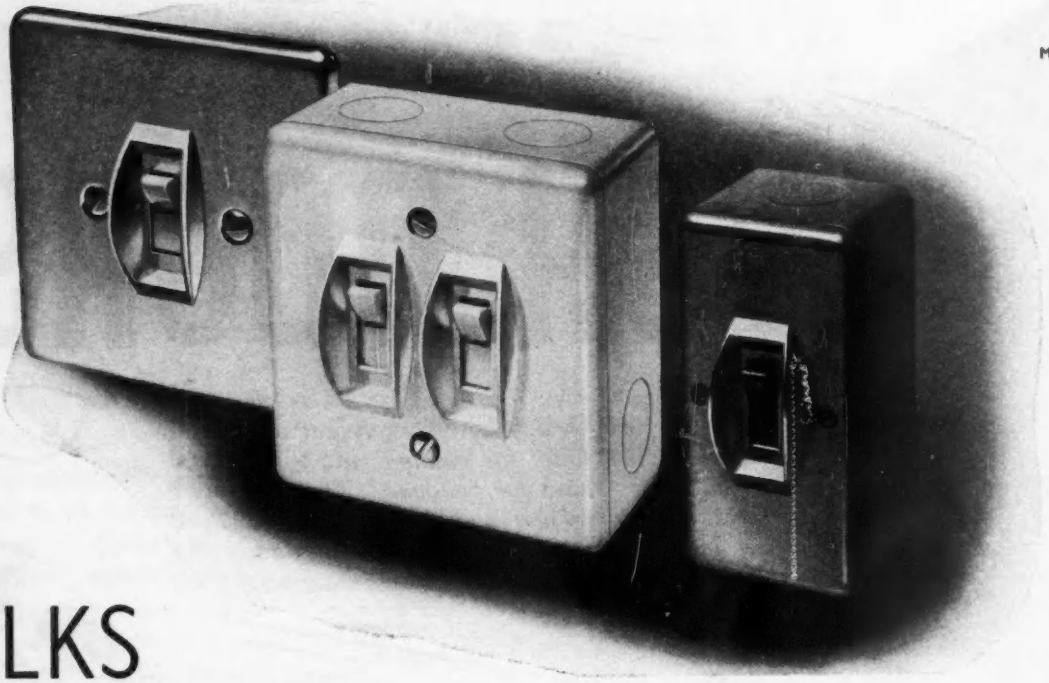

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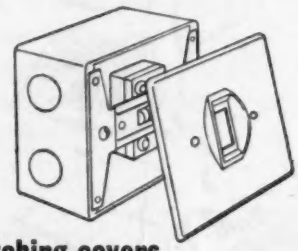

Matching covers and boxes

It is possible to avoid unsightly cast iron boxes in commercial surface work. The "Metalcast" box is of the same excellent finish as the plate and permits matching flush and surface installations.

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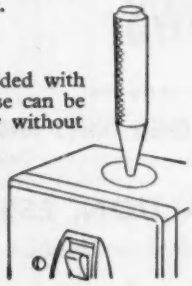
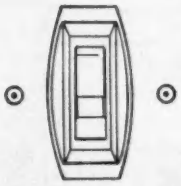
Boxes are provided with knockouts. These can be removed cleanly without spoiling the finish. They thus obviate difficult drilling or bench work on site.



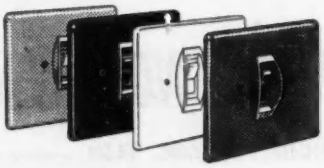


Effective dolly protection

The dolly cannot be damaged owing to the raised side protectors which also add distinction to the design.

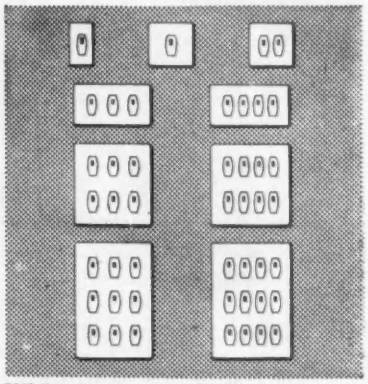
Secret fixing

Where required for schools and institutions all models can be supplied with plate fixing by miniature Allen screws.



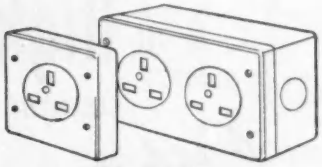
Choice of finishes

The complete Metalcast range is available in Florentine Bronze Plated Finish, Bronze Enamel, Silvercote Enamel or White Enamel. The enamels are based on an epikote resin to give great surface hardness and a resistance to acids and alkalis.



Widest range of all

See diagram—This applies to both flush and surface fixings.



Matching 13 amp sockets

In finishes as above, single and double units, unswitched, the single unit also being available switched.

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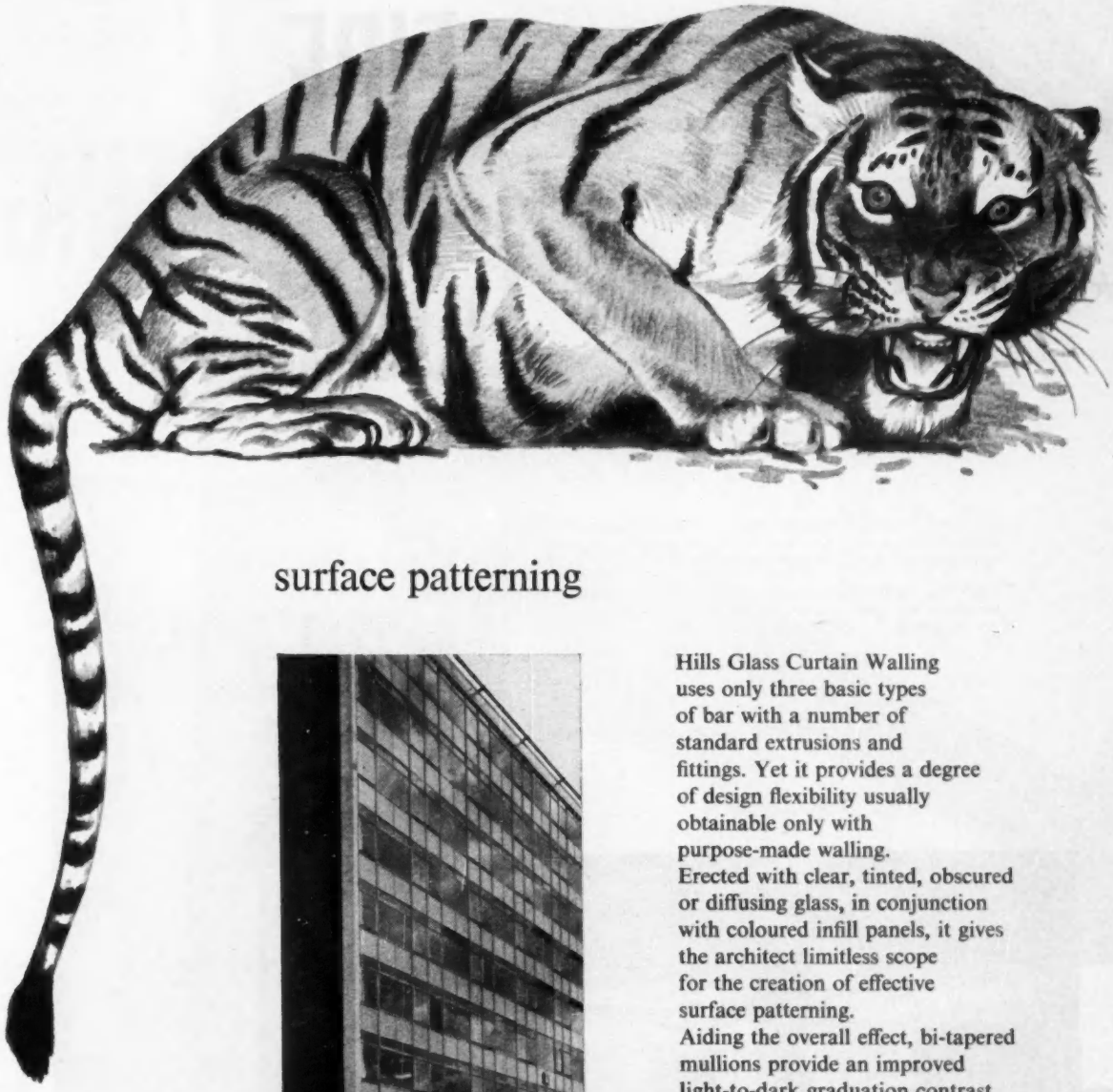
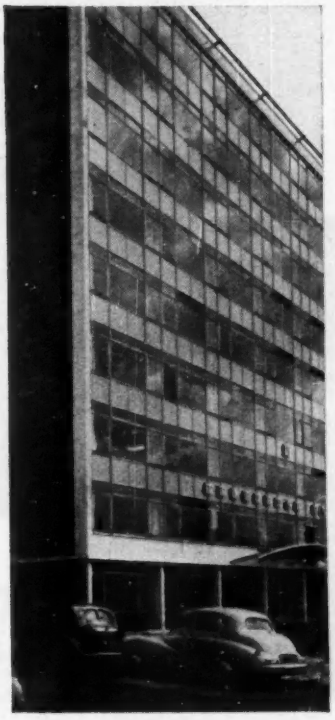


surface patterning



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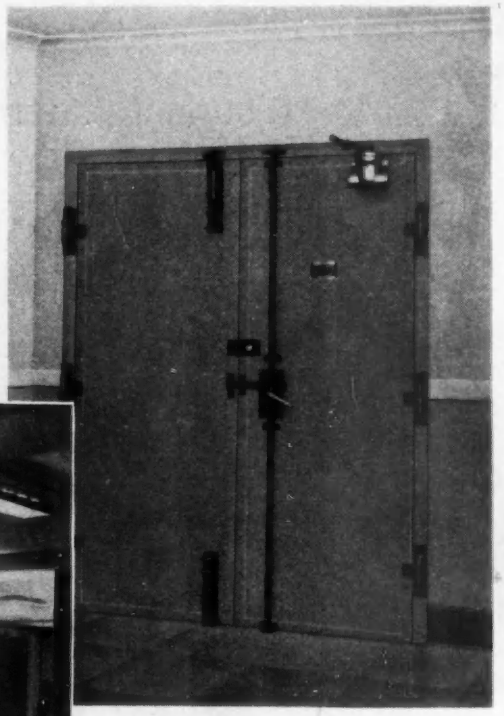
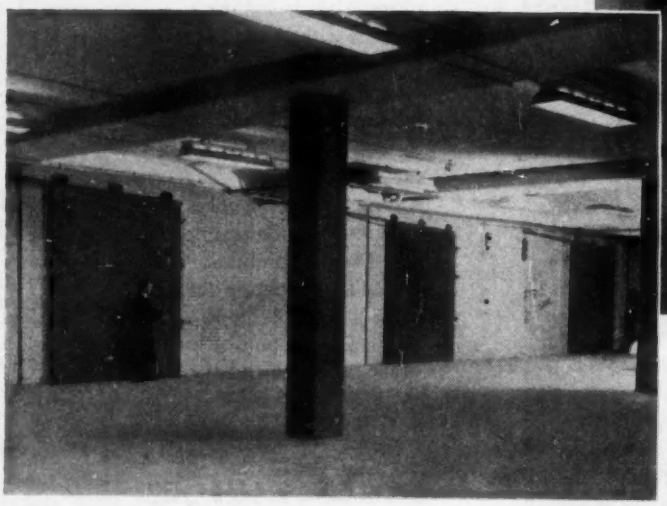


Composite fire doors, hinged type.

Three Mather & Platt automatic sliding armoured fire doors at the works of a drawing office equipment manufacturer.



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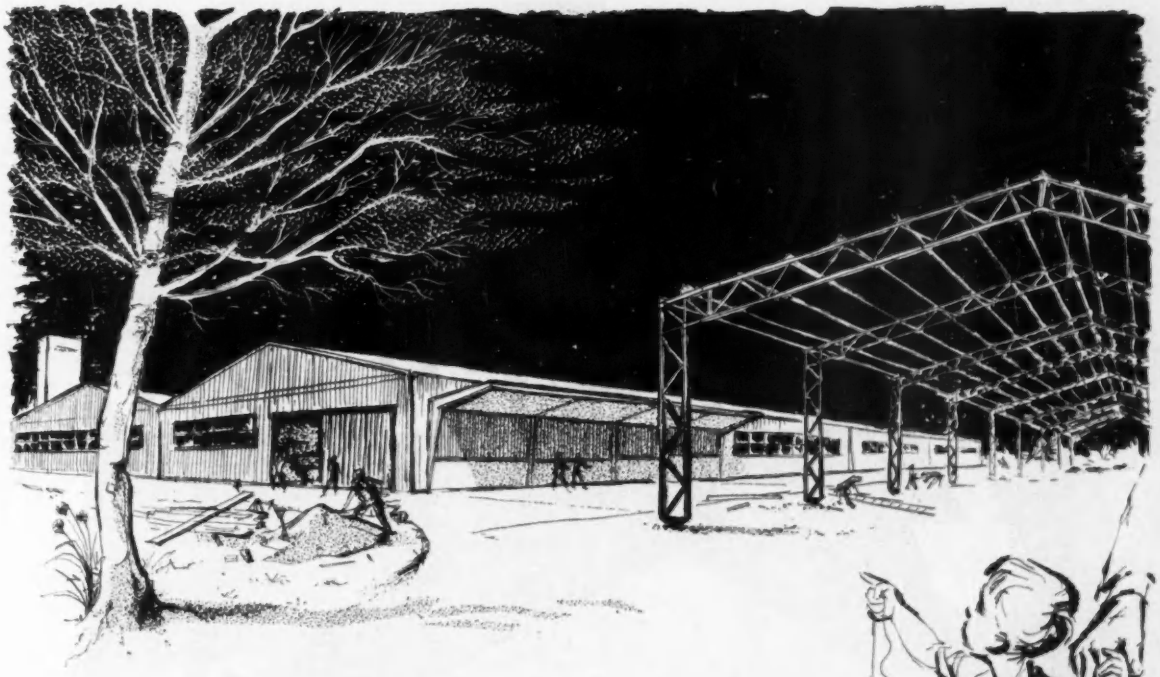

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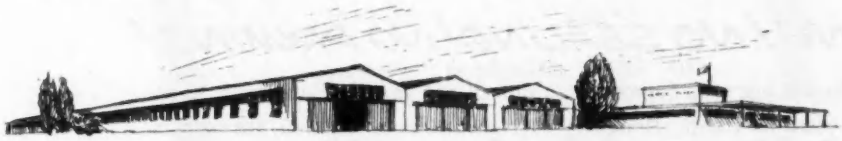

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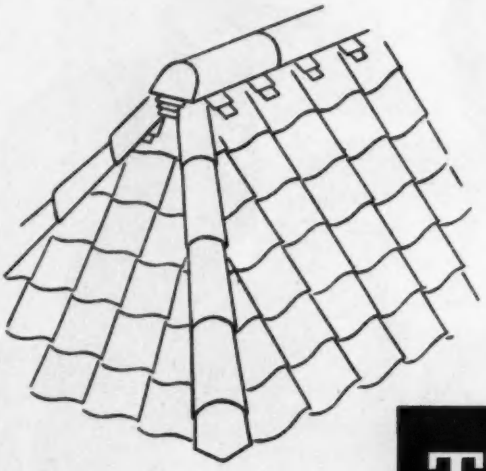

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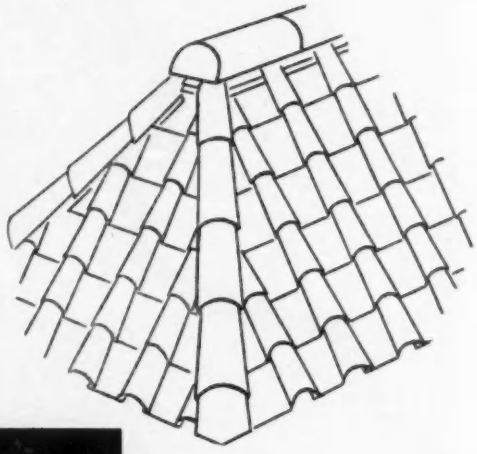

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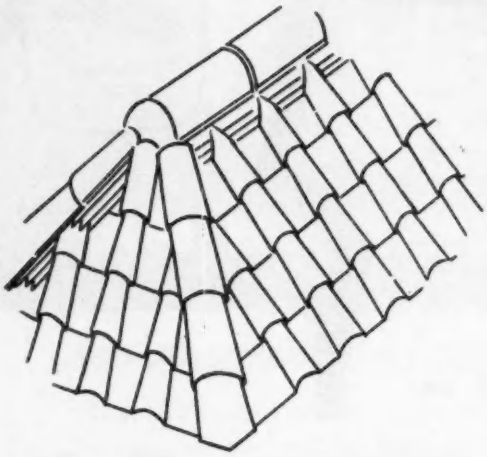

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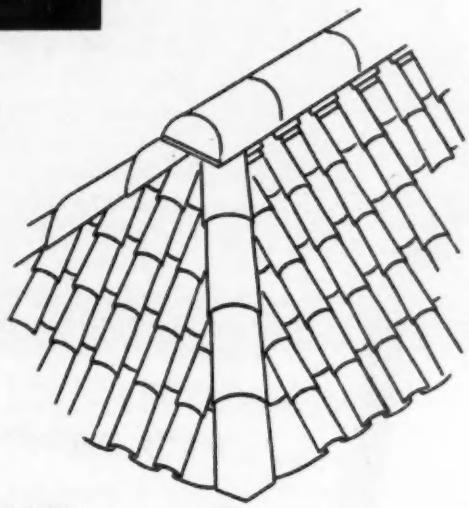

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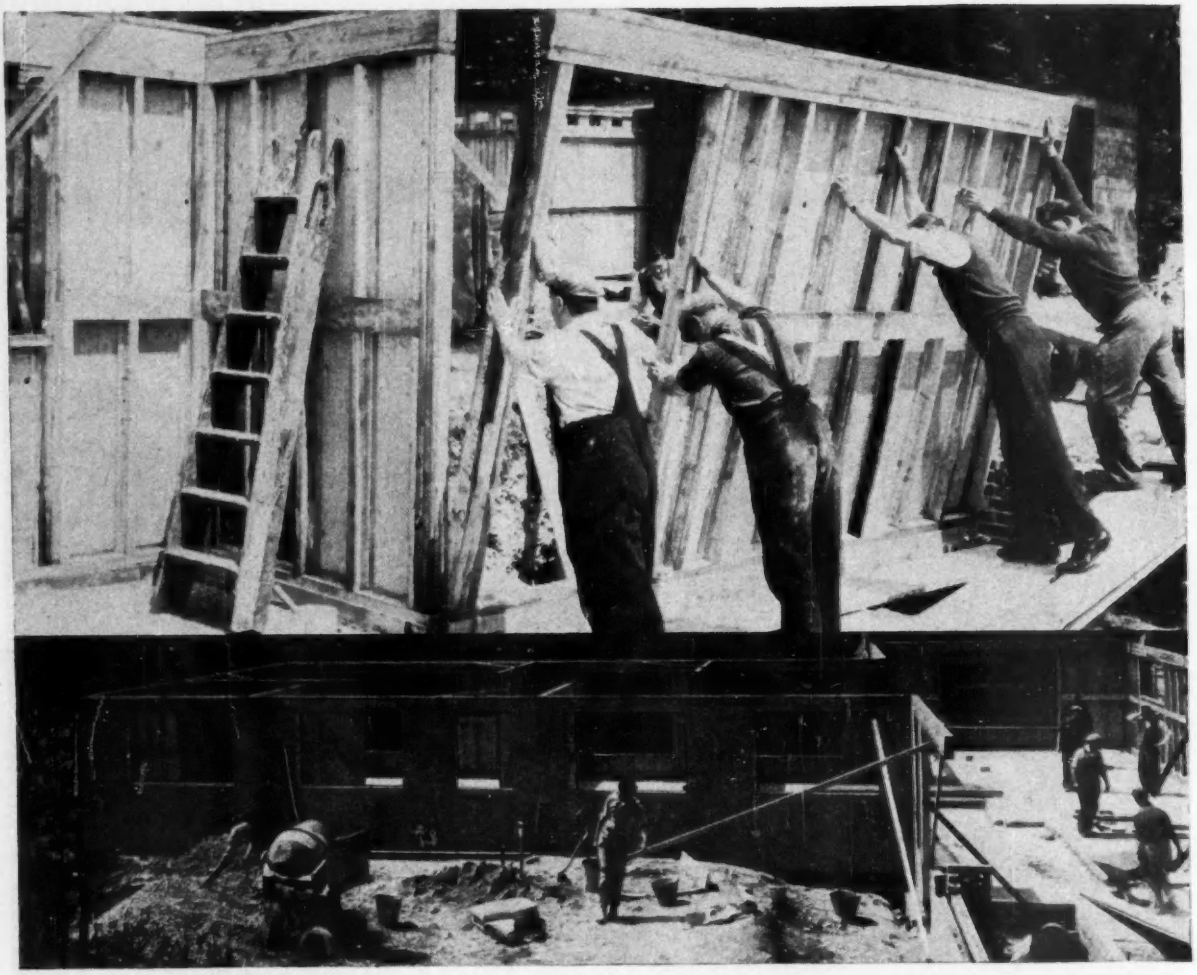

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HOT NEWS FROM SWEDEN

a new concept in central heating

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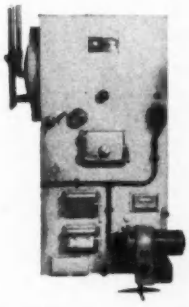
C.T.C. boilers are made of Swedish steel, renowned the world over for its quality. Proven to be more efficient for heat transfer. And for lifetime protection against corrosion C.T.C. boilers have aluminised flue ways.



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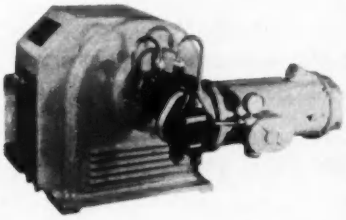
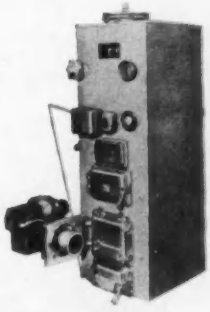
BTU/HR 80,000—240,000.



CTC Type 'M' Emulsion Burners are designed to burn 200 seconds oil *without pre-heating*. They are equipped with photo-cell control and can also be arranged for High/Low or Modulating control.

Standard models made in five sizes rated from 400,000—6,000,000 BTU/HR. These burners may be used with heavy fuel oils. Tank and line heating being required only for 960—1,500 and 3,500 secs. Redwood No. 1. 100°F.



160 SERIES BOILER
Type 162 is designed to operate efficiently on either oil or solid fuel. Has single combustion chamber, but with hinged burner. This permits waste disposal and solid fuel burning without alteration to the boiler. *Cylinder capacity 21 galls.*
Rating 70,000 BTU/HR TOTAL.

There's a lot more you should know about C.T.C. boilers. Just post us your letter heading and we will send full details by return. You will be well rewarded.

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No polyethylene material offers the combination of
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- self-coloured; needs no painting

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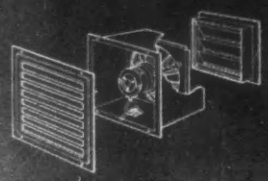
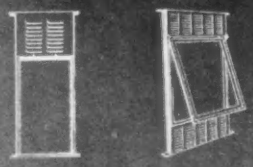
(above) 'The Cricketers,' Woodford—Architect: C. P. Sapin, (Chief Architect) McMullen & Son, Ltd
(left) photograph by courtesy of Turner and Kitching A/A.R.I.B.A., Gravesend

for Houses & Flats



'Mechavent 75' extractor fan



'Permavent' larder light and ventilight

PATENTED

Designed for efficient ventilation of the modern home, Greenwood-Airvac housing ventilators are available in a wide variety of types and sizes to suit any requirement.
Shown above—the powered 'Mechavent 75' extractor fan with kitchen canopy and the natural 'Permavent' larder-light—are from the extensive range of window ventilators, larder lights, skylights and wall ventilators illustrated in the new folder—'Ventilation for Houses and Flats'—which we shall be happy to send you on request.

write for this new folder-to day!

Greenwood-Airvac *ventilation*

GREENWOOD'S AND AIRVAC VENTILATING COMPANY LTD

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PATENTEES, DESIGNERS AND MANUFACTURERS OF NATURAL & MECHANICAL VENTILATING EQUIPMENT

BEACON HOUSE, KINGSWAY, LONDON W.C.2
CHANCERY 8135 (4 lines). 'Grams: 'AIRVAC', LONDON

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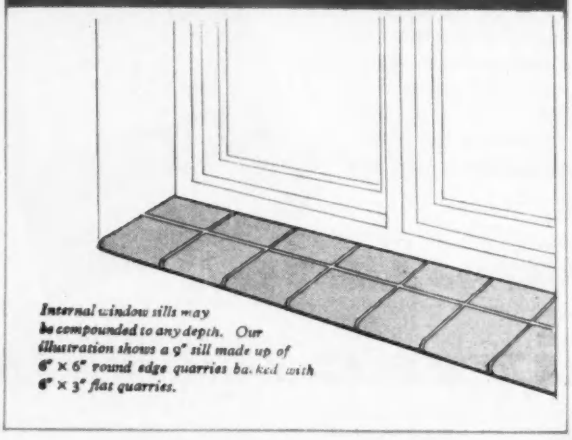
Clay Floor Quarries are a part of our craftsman heritage. Moulded from natural clays and baked in kilns it is the inherited skill of the maker that produces an intense hardness and subtle colour range. Clay Floor Quarries make an ideal floor covering for churches and sacred buildings because they are inexpensive to lay, easily cleaned and maintained. Obtainable in various sizes and thicknesses... conforming to B.S. 1286 (1945). Type A.

Consult British Standard Code of Practice CP.202 (1959) entitled "Tile Flooring and Slab Flooring" for recommended fixing methods.

FLOOR QUARRIES FOR INTERNAL WINDOW SILLS



Internal window sills may be compounded to any depth. Our illustration shows a 9" sill made up of 6" × 6" round edge quarries backed with 6" × 3" flat quarries.

Detailed information may be obtained from Builders' Merchants and Fixing Specialists.

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CORRUGATED ALUMINIUM SHEETS

FOR ROOFING AND VERTICAL CLADDING

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*Supplied to exact lengths required without extra cost

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Main Contractors: Tubewrights Ltd. *Roofing Contractors: D. T. Edwards & Co. Ltd.*

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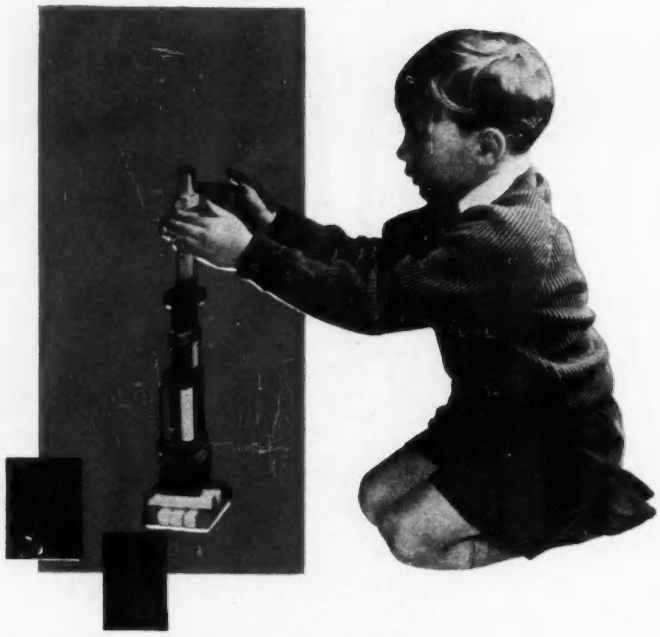

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"MURILITE" is pre-mixed with Perlite—a lightweight aggregate material honey-combed with air cells, which is one-tenth the weight of sand.

Being pre-mixed at our Works, the strictest conformation to specification is ensured, and all that "MURILITE" requires on site is the addition of water to make it ready for use.

Extremely easy to work, because of its lightness, "MURILITE" makes a major reduction in all-round "dead-load"—a most important point, architecturally, in the planning of multi-storey buildings.

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The Bonding Coat grade of "MURILITE" incorporates "Vermiculite" as an aggregate, and this grade adheres excellently to concrete.

All "MURILITE" Plasters are free from Lime and can be decorated safely as soon as they are dry.

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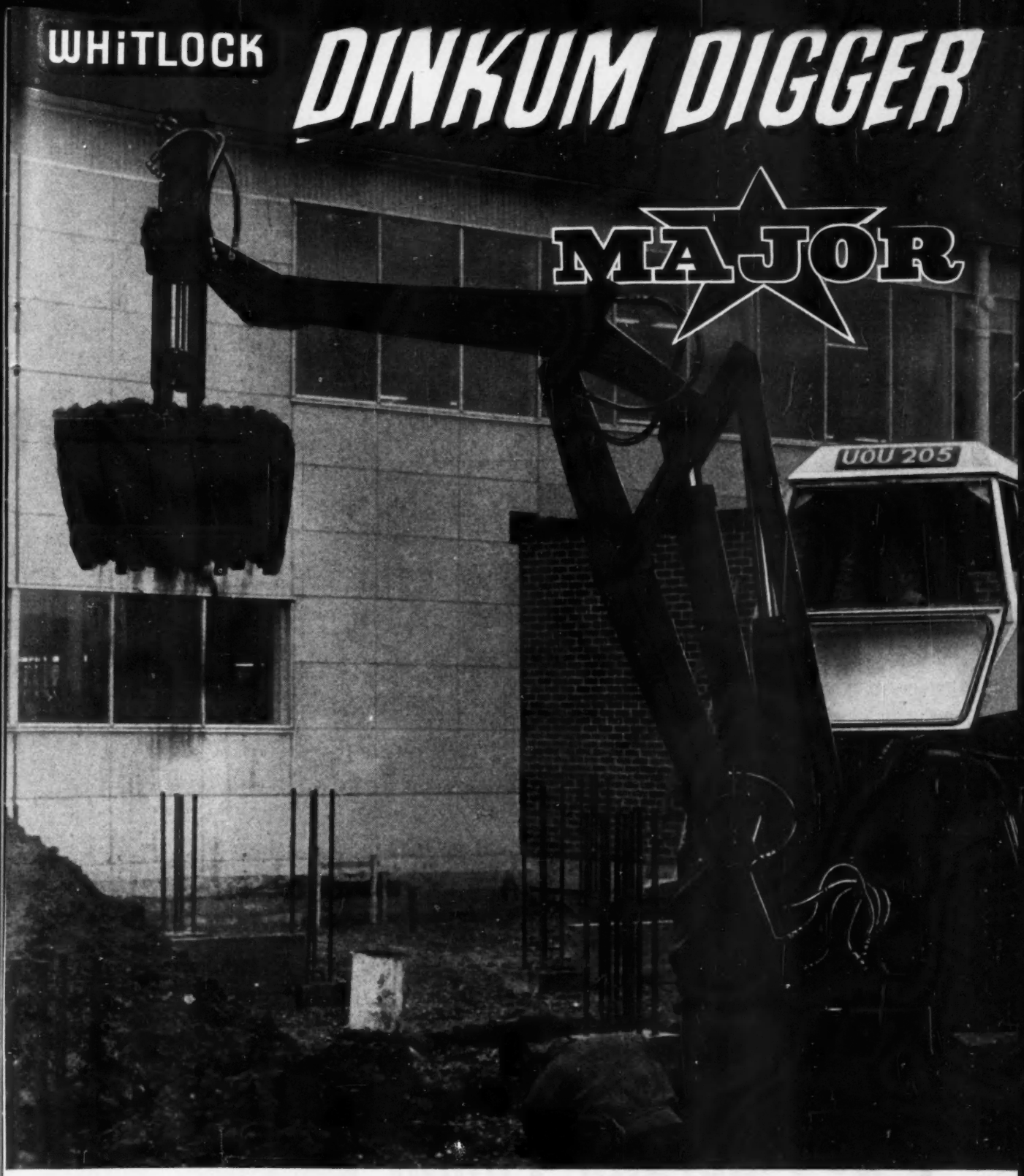

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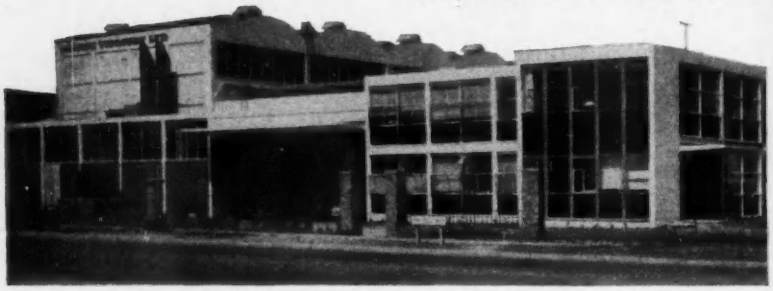

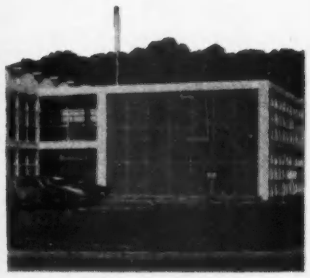

The new British Visqueen factory at Stevenage was built to produce the largest output of polythene sheeting in Europe; and it is here that the Visqueen Building sheet is also manufactured to supply an increasing number of applications for it in the building industry.

To render the concrete factory floors hard, dustless, waterproof and able to withstand exceptionally heavy wear and tear, British Visqueen chose Lillington's No. 1 Metallic Liquid.

For nearly fifty years, architects have specified Lillington's No. 1 Metallic Liquid, the scientifically prepared admixture that renders concrete completely waterproof and dustless and accelerates setting time.

No. 1 Metallic Liquid is a necessity for waterproofing cement renderings to walls and basements, in mass concrete retaining walls, foundations, flat roofs and tanks. You can rely on it to give complete satisfaction because IT IS THE ONLY PROOFER SOLD UNDER GUARANTEE.

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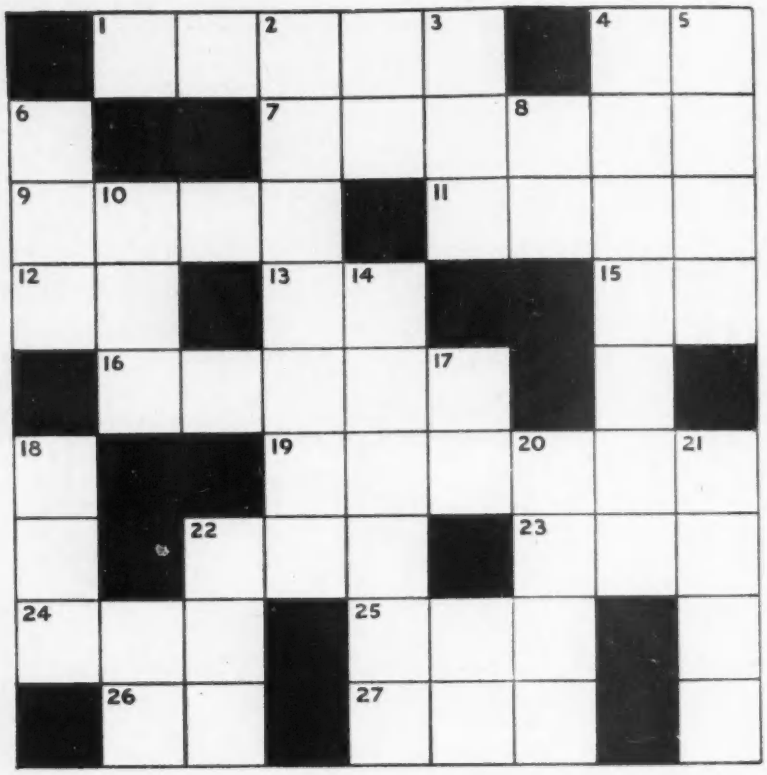

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with the fixer and been blank-well told what to do with blank tiles
that won't fit. We can give you a clue.
The answer stands for perfect shade, perfect fit and excellent delivery.
Let us know your requirements and we will
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Fix tiles with Boote's "TYLOFAST" Tile Fixing Mastic !

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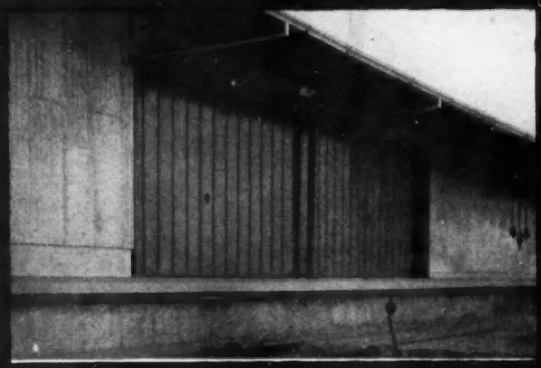
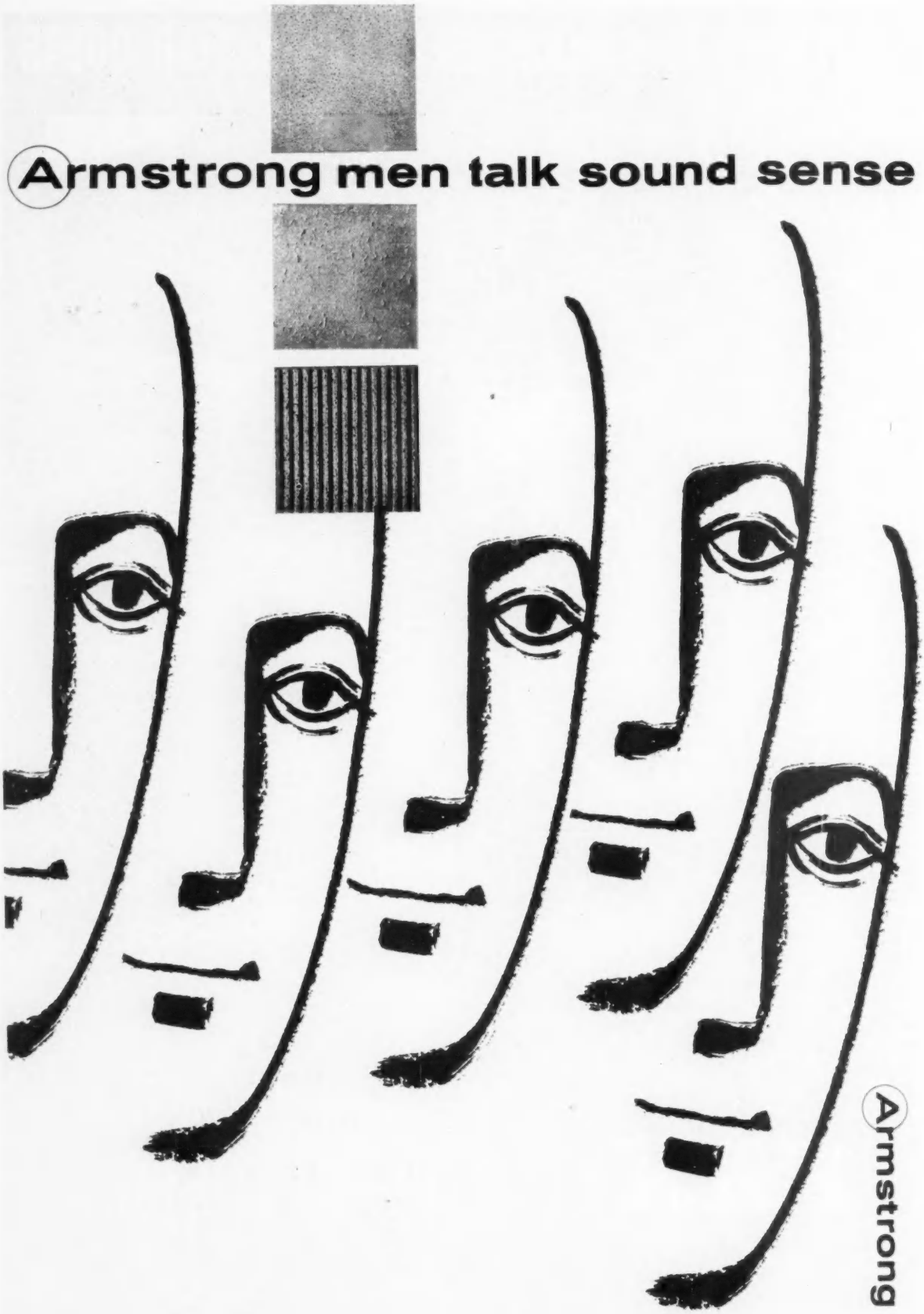


RAX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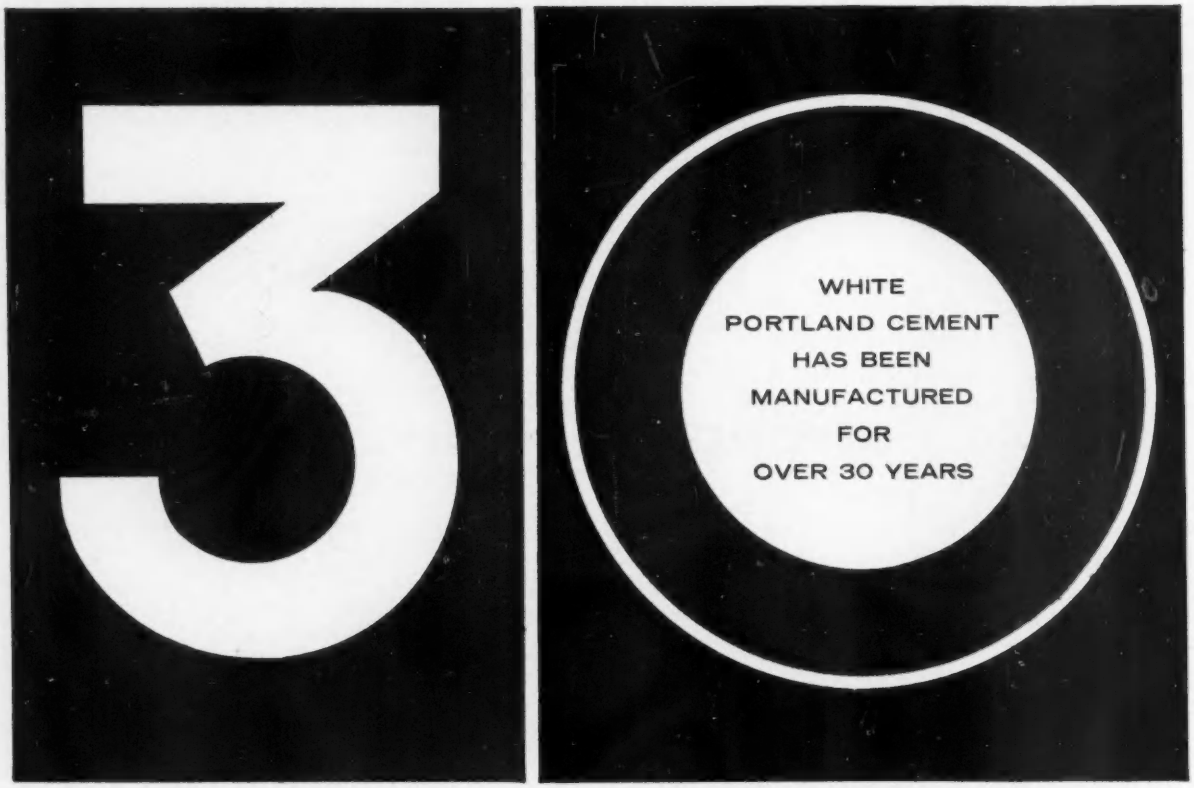
AT.15

SNOWCRETE



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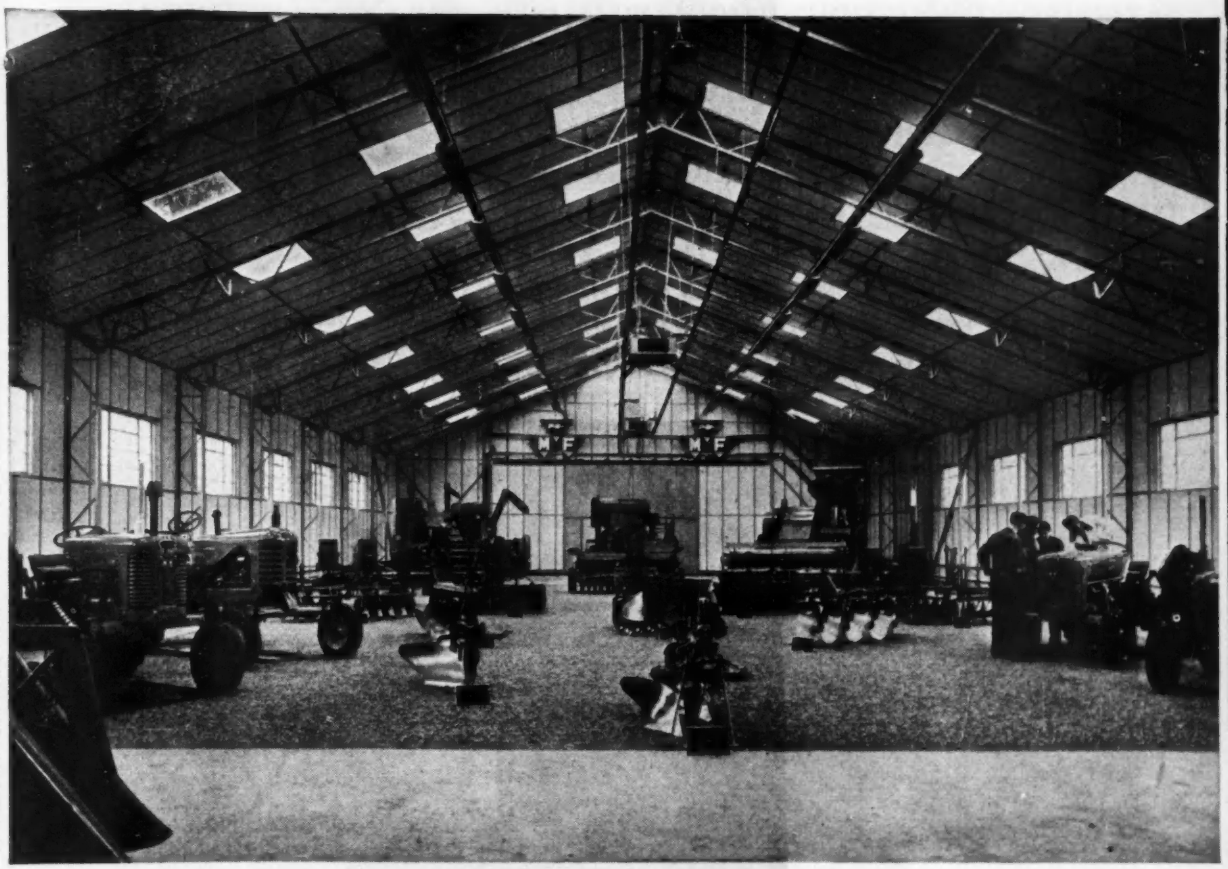

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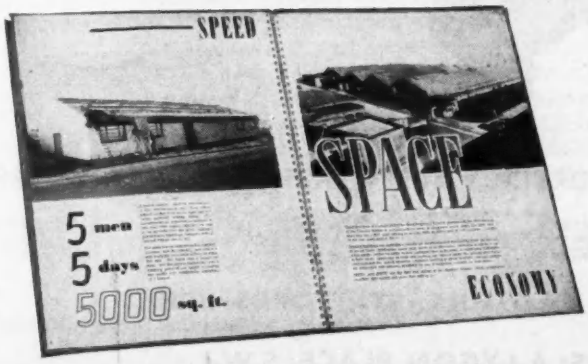

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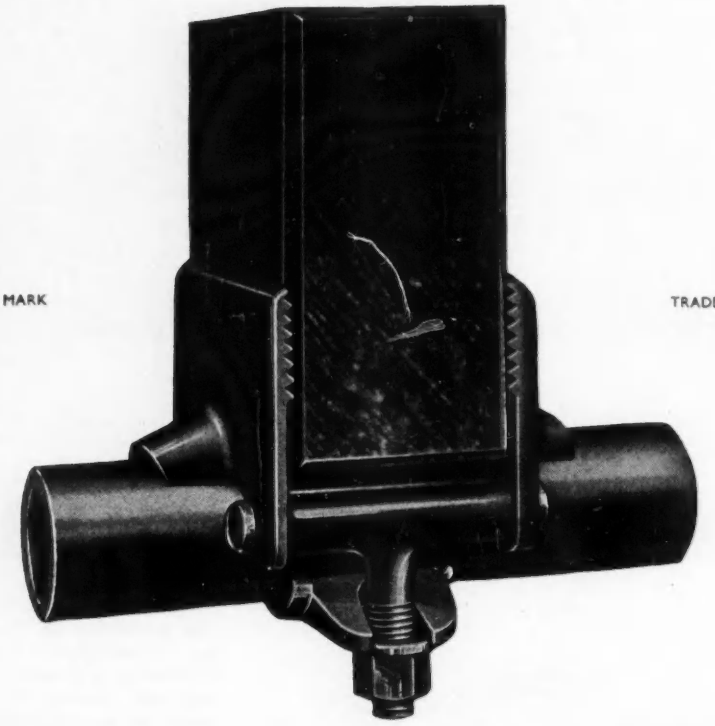

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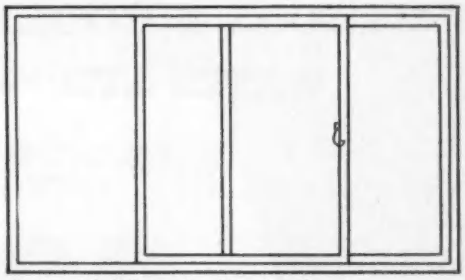
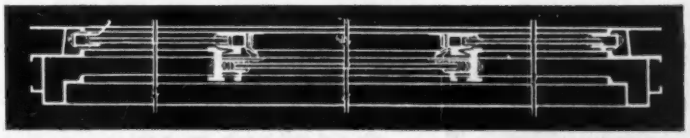
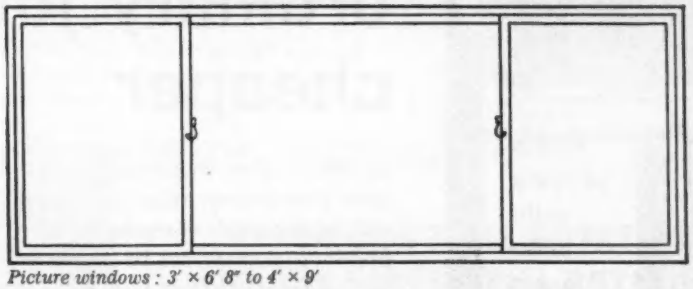
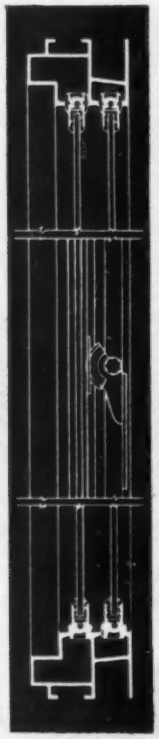


Horizontal sliding: 3′ × 3′ to 4′ × 6′





Picture windows: 3′ × 6′ 8″ to 4′ × 9′



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Gas-fired boilers, heaters and cauldrons lower your costings. Gas is a cheaper fuel and, being capable of regulation in Braham equipment, can be used with real economy. The ordinary replacements—fire grates, linings, and the like—are non-existent. Maintenance is more than halved.
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Vibrating precast units with F Type Hammer

E Type Hammer with Auxiliary Detachable Handle fitted.

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Kango Electric hammers for heavy, medium and light work are available. We shall be pleased to advise the most suitable type for your particular needs.

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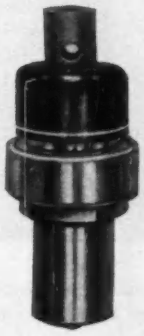
Specially developed for easier operation—to reduce fatigue and save labour—particularly on awkward jobs—the KANGO DRILL ROTATOR can be fitted in a few minutes to a standard Kango Hammer on site, and the Hammer converted back just as readily. Drills holes up to 2 inch diameter—designed to ensure maximum drill life—robustly constructed, and supplied complete in storage box.



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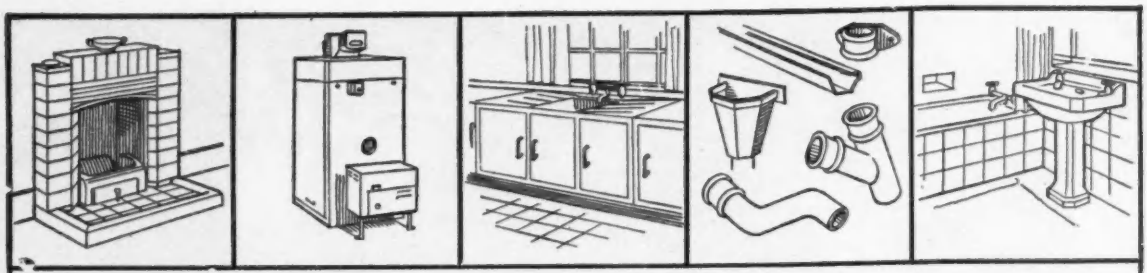

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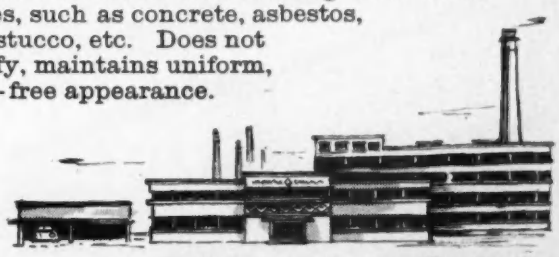

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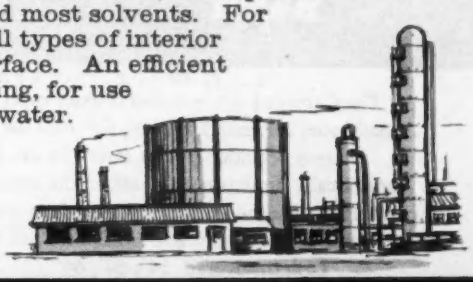

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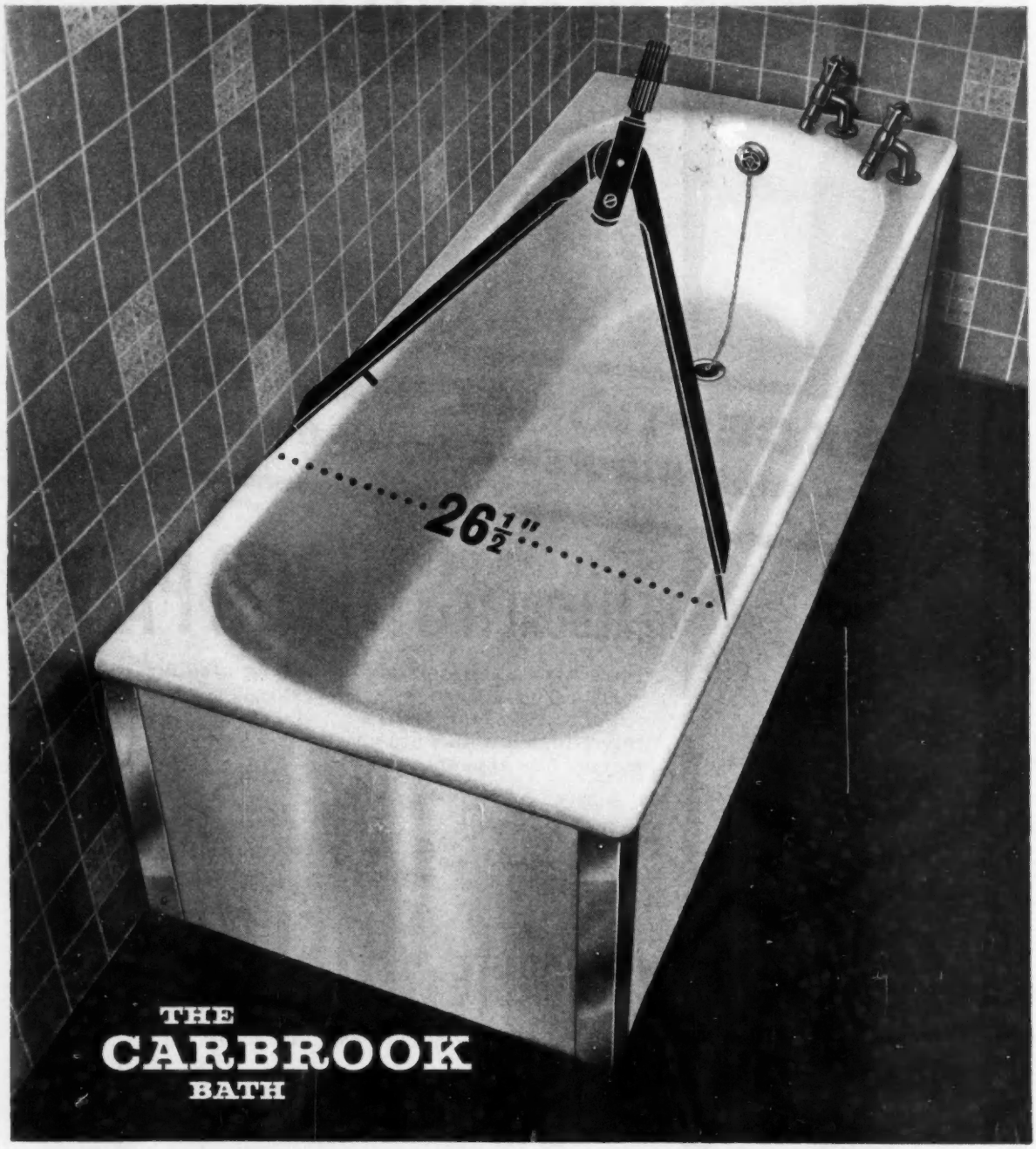

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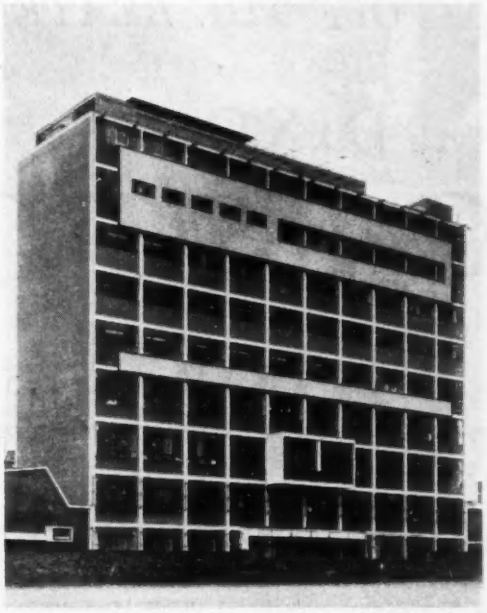

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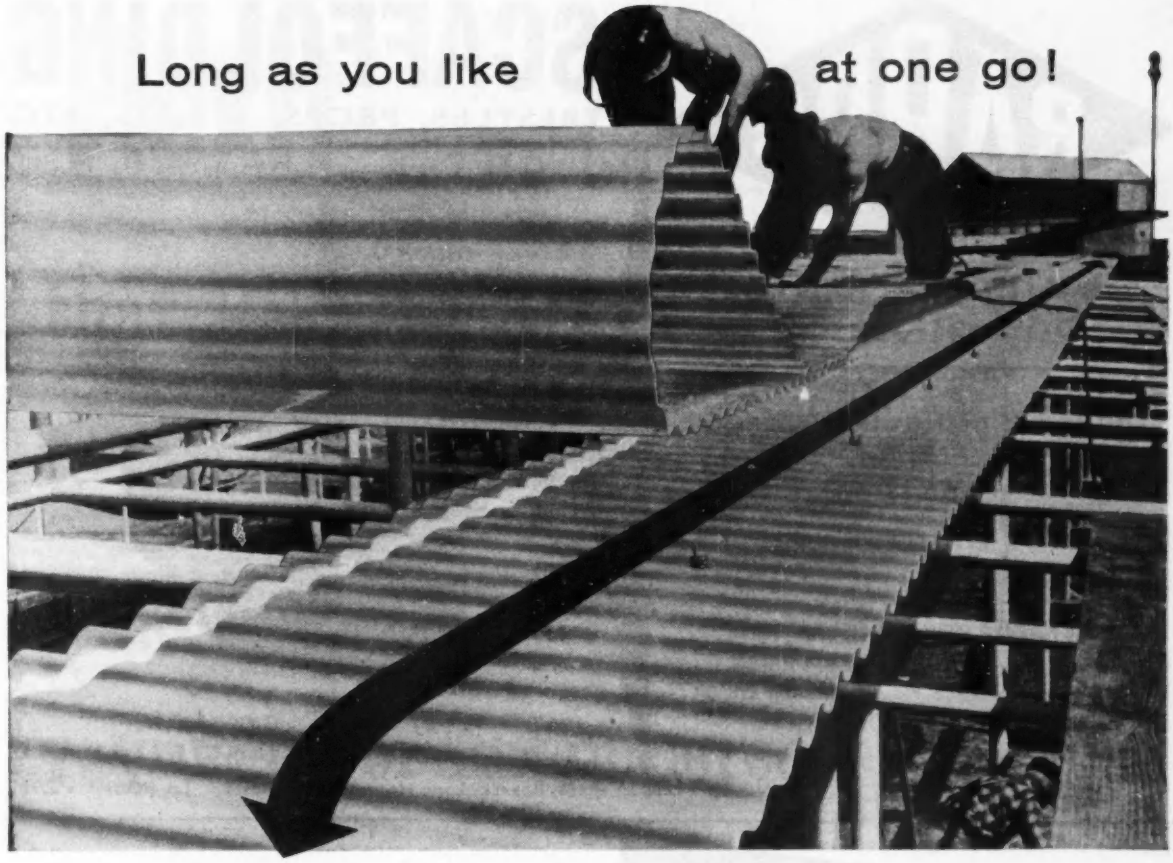

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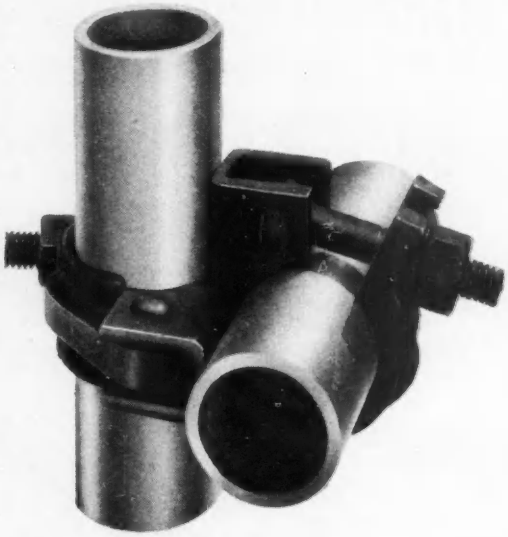

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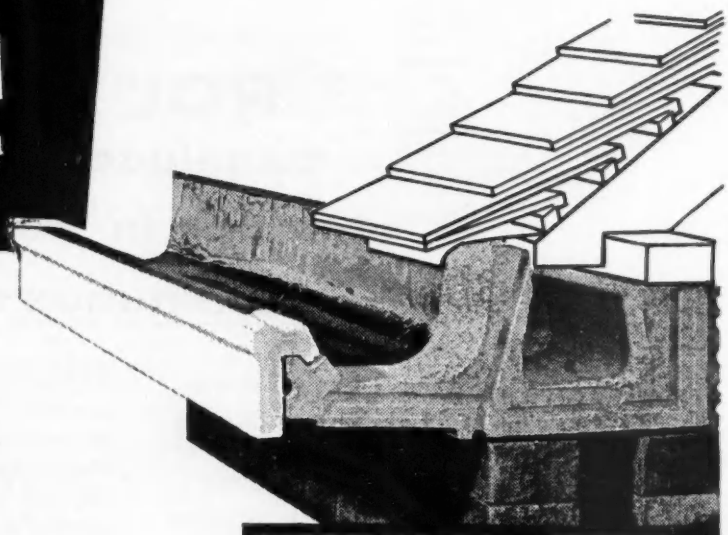

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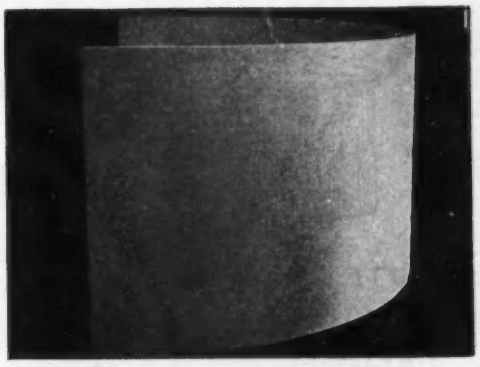

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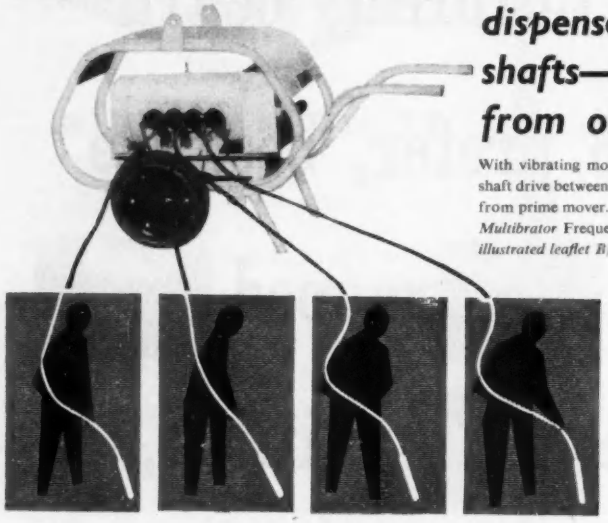

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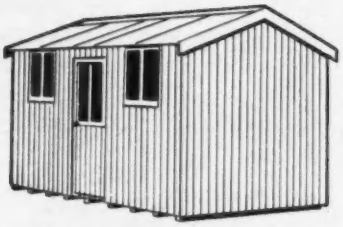

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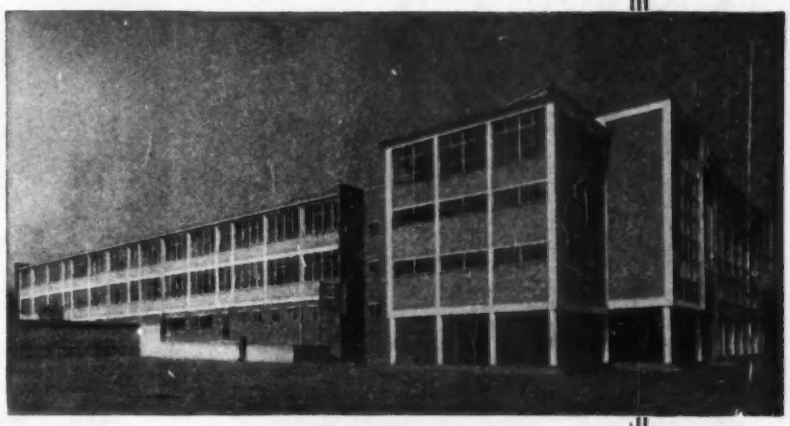

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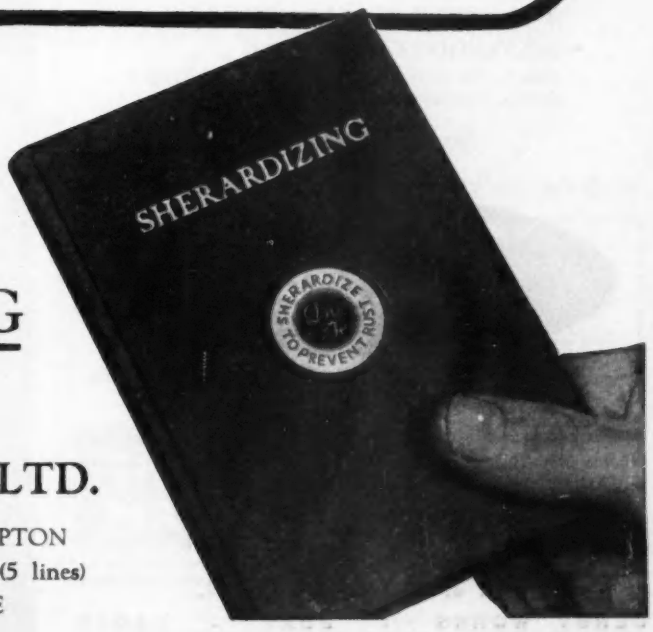

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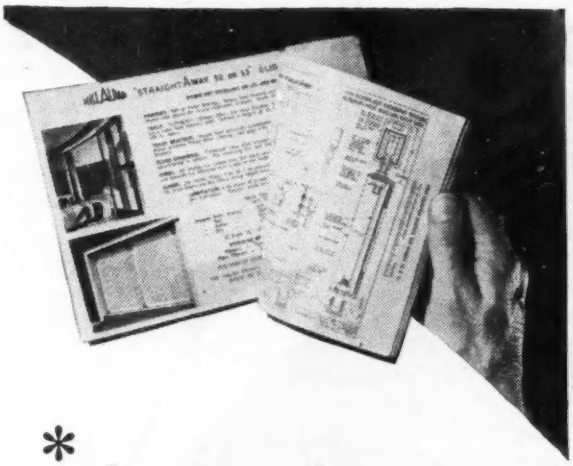

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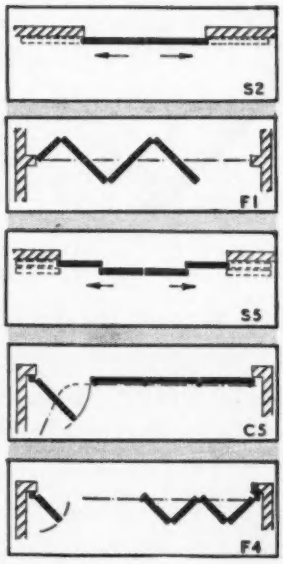

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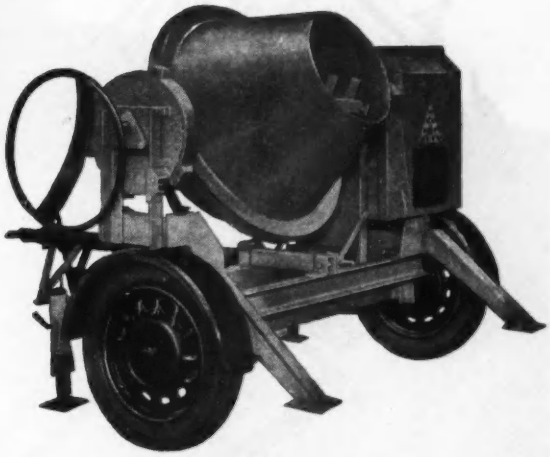

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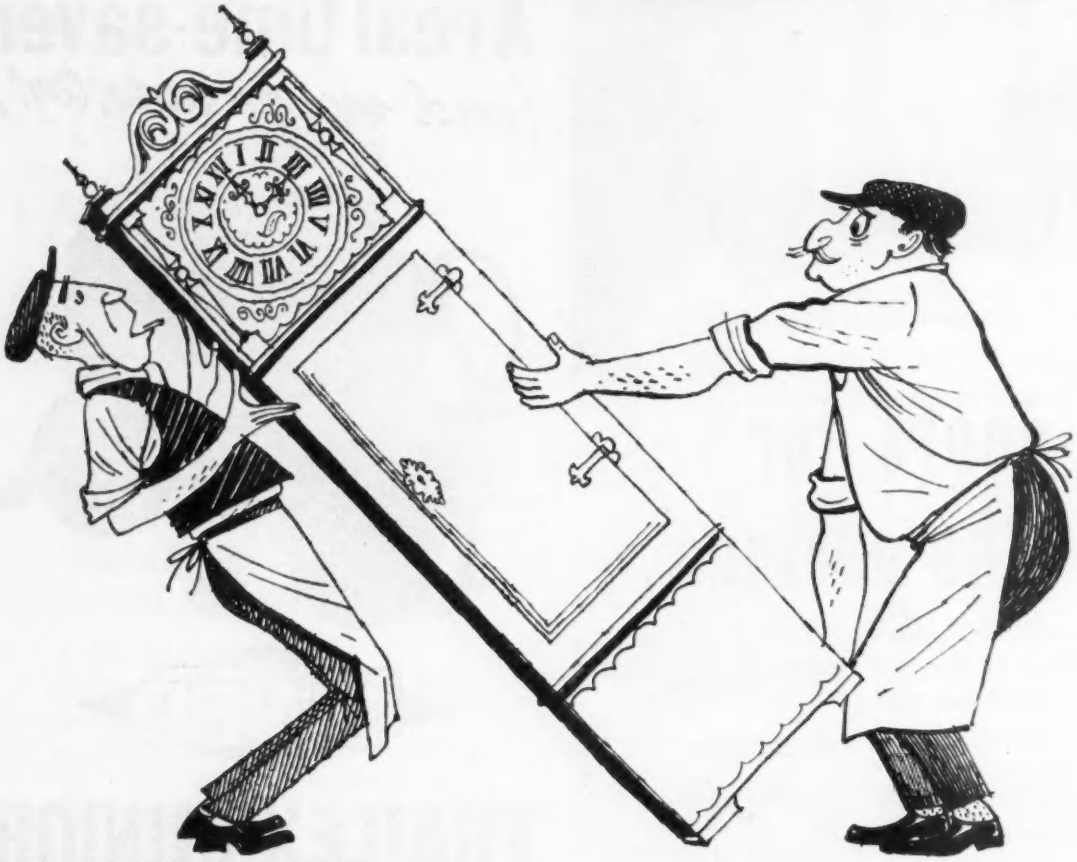

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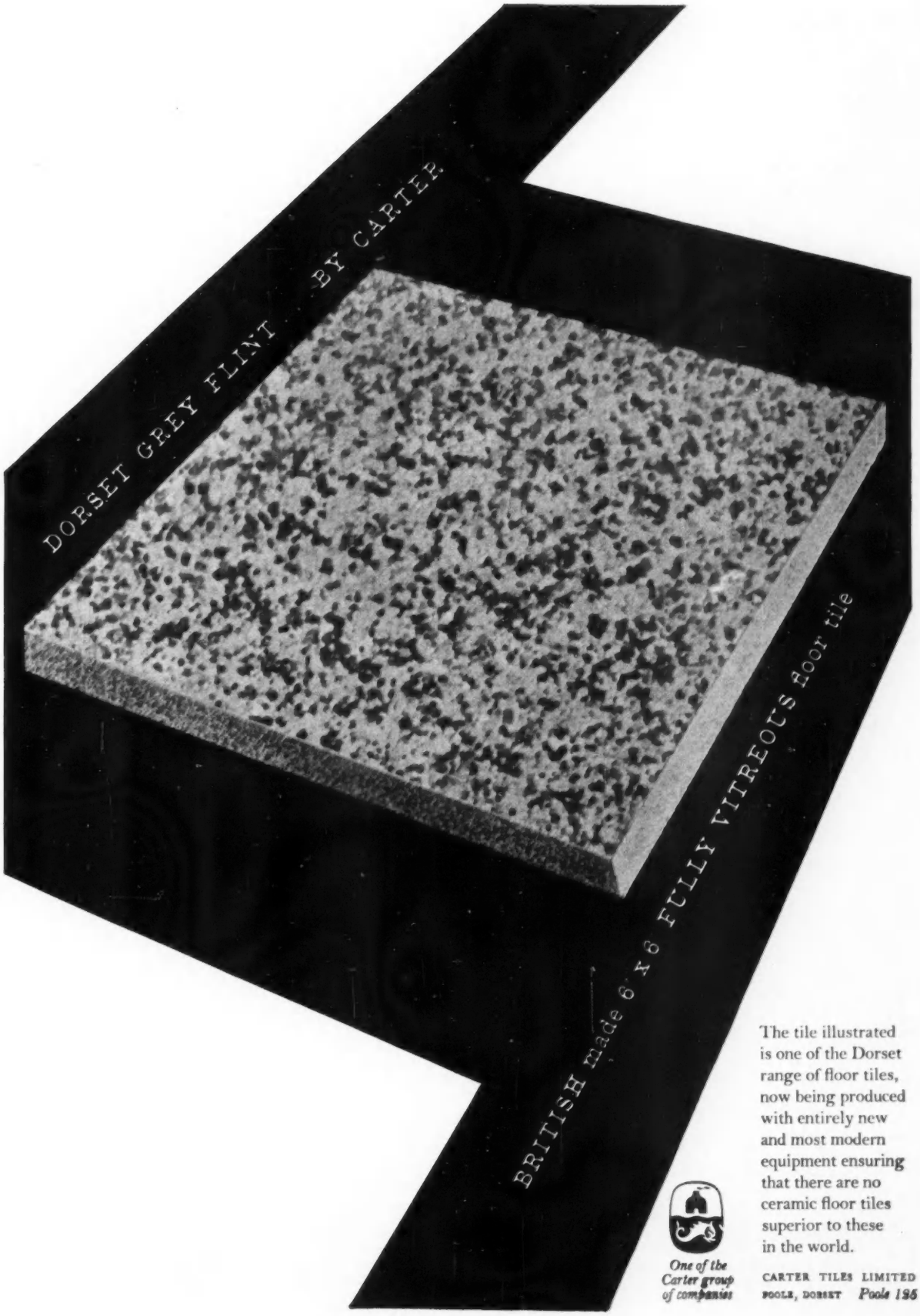

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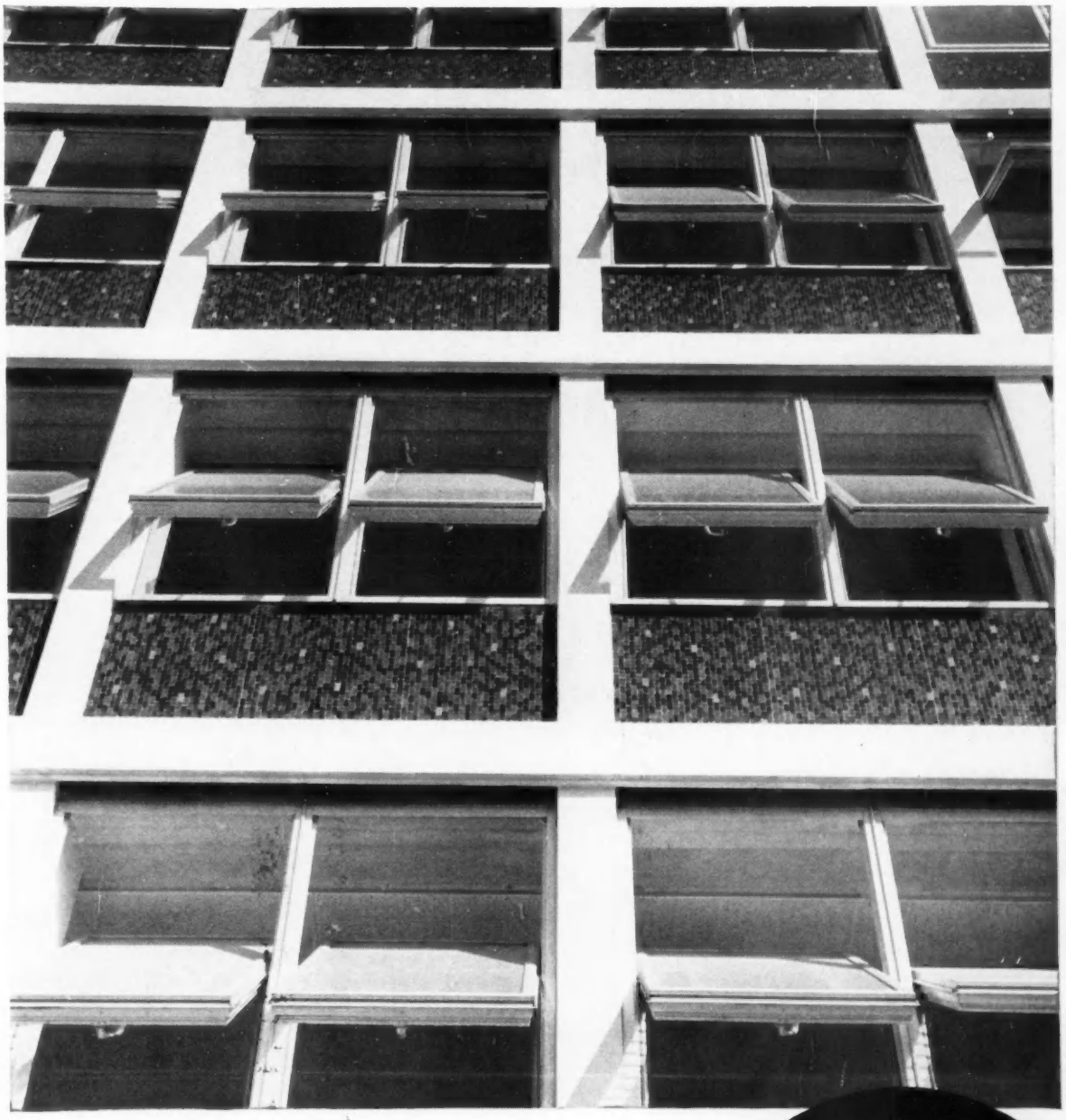

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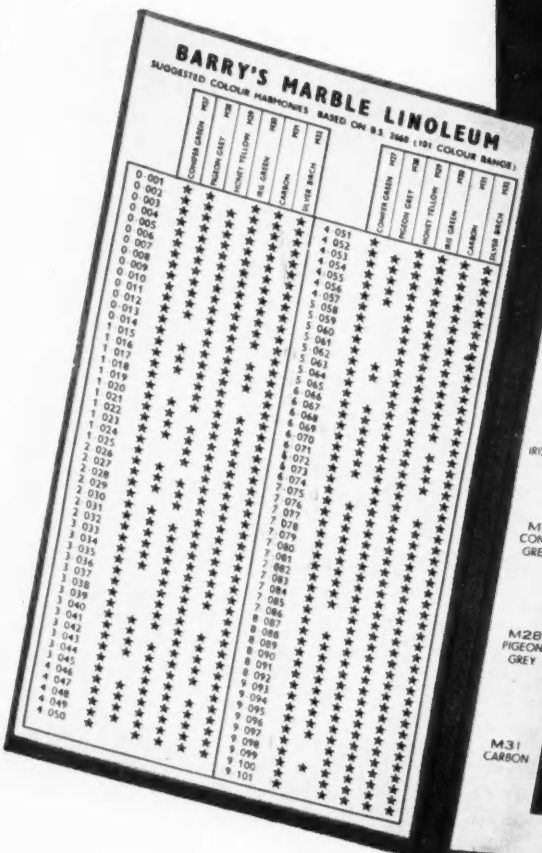

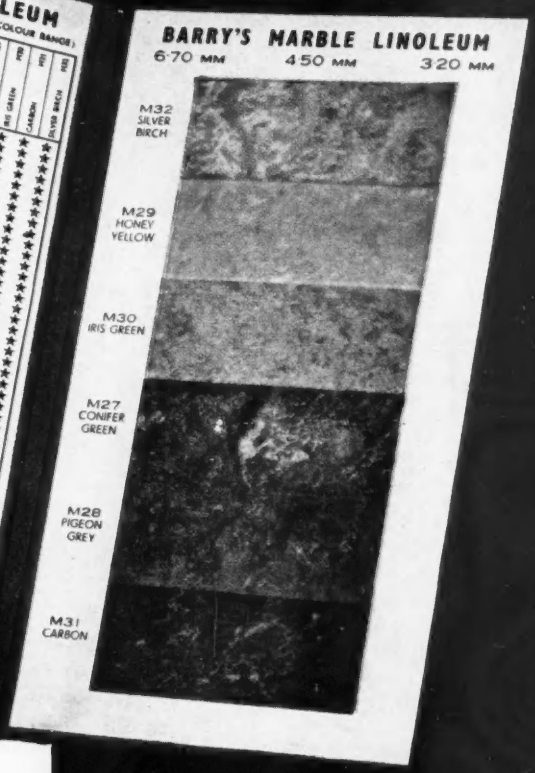

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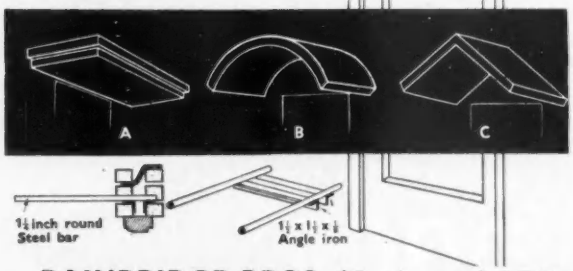

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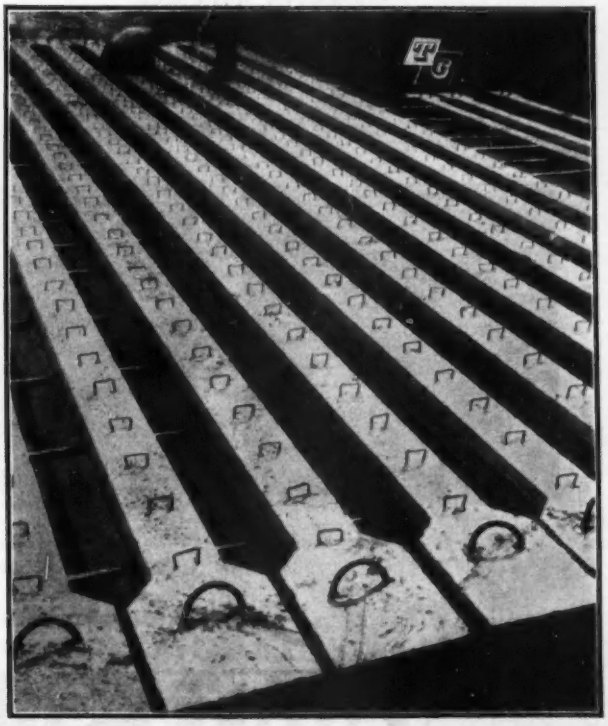

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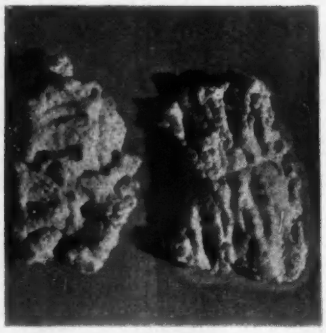
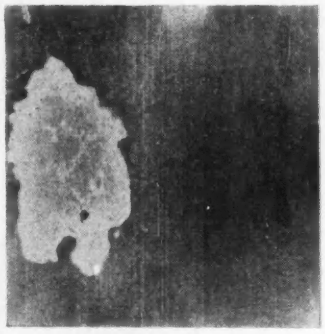


Before Hosing



After Hosing

Anodized aluminium plate; left hand side unlacquered, right hand side coated with Lakadize BUT/100, each part splashed with mortar (four parts sand, one part cement, one part lime) before and after hosing off. Note: all trace of mortar removed from coated section—severe corrosion on uncoated section.

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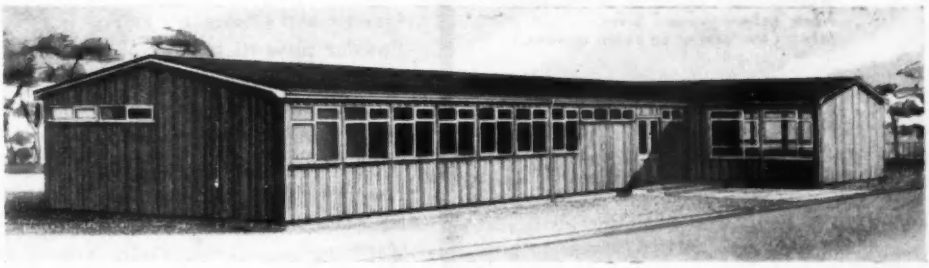

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News Summary

858 *Mr. Edward Playne has been elected President of The Architectural Association for its 114th session commencing on June 1.*

866 *Architecture at the Royal Academy Summer Exhibition 1960 is reviewed by Robert W. Paine, ARIBA.*

874 *The award is announced in the architectural competition for flats development at Halesowen.*

875 *The death is announced of Dr. Charles Holden, DLitt, FRIBA.*

878 *Mr. Henry Brooke, MoHLG, has sent local authority associations a draft, for comment, for a system of centrally made regulations to take the place of individual sets of by-laws.*

880 *The Parliamentary Secretary, MoHLG, rejected a request to place municipal direct labour works departments in a comparable position to private building firms by allowing them to prepare annual profit and loss accounts, without having to make a profit on each individual contract.*

881 *There was an increase in the last quarter of over £23m. in the amount of loans sanctioned by the Minister of Housing to local authorities.*

881 *The Federation of Painting Contractors issues a warning to its members that a severe shortage of labour in the trade can be expected to develop this year.*

882 *The City Corporation has appealed to the Minister of Housing and Local Government against the LCC's proposed increase in car parking standards in an office development scheme in the City.*

'Late News' will be found overleaf, and 'News of the Week' on page 873.

Builder

INCORPORATING ARCHITECTURE & THE BRITISH ARCHITECT

Vol. CXCVIII. May 6th 1960 No. 6103

Published from 'The Builder' House, Catherine-street, Aldwych, London, WC2. Telephone: Temple Bar 6251-2-3-4. Annual subscription: £4; for six months £2. Single copies (including back numbers up to 12 months old) 1s. 6d. (post paid 2s.). Indices free on application.

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The effect of this should be to keep prices steady (unless further concessions in building working hours make absorption of cost impossible) and this is to be welcomed. If it should result in some small diminution in the total volume of work now running, this too could be a good thing. No one blames the building operative for cashing in on the state of the market, but it cannot be good for the industry's health that men should be constantly on the move from site to site looking for 'over the odds' payment. Yet this is happening in many parts of the country and is seriously affecting both production and labour relations. It must be hoped that the Chancellor's present mild embrace will be sufficiently effective to render unnecessary another squeeze of the severity of 1955.

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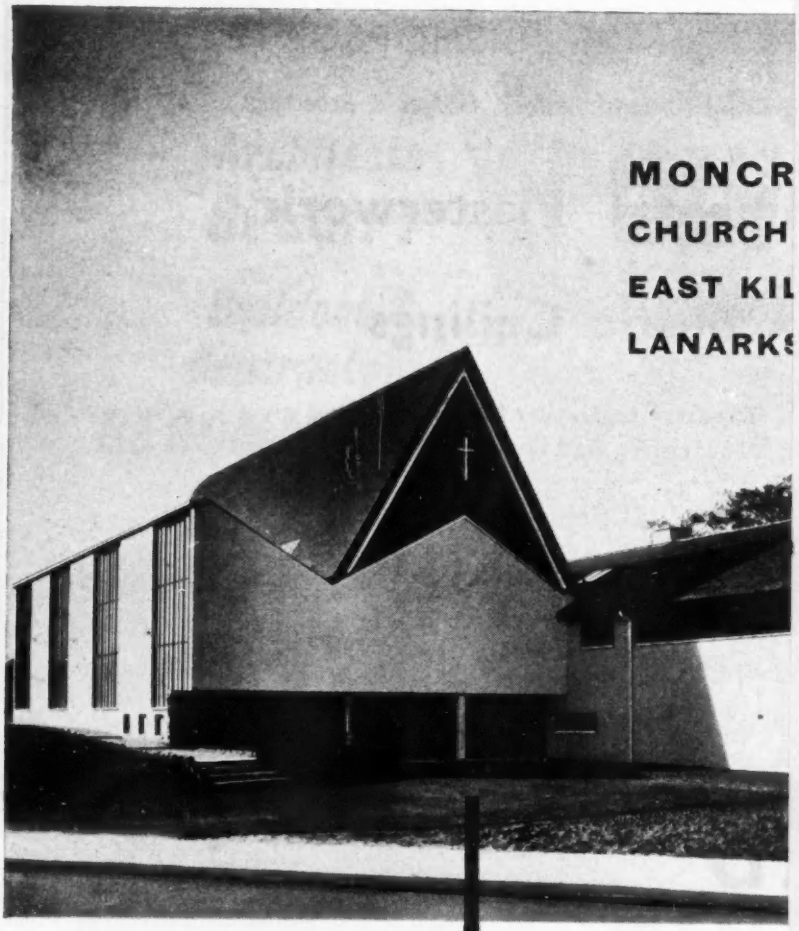

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Late News

Director General of Works, MoW

MR. A. J. FILER, CB, General Manager of the Directorate General of Works, will retire on August 14 next. Thereafter the Directorate General will consist of Mr. C. G. Mant, CBE, FRIBA, who will be appointed Director General, Mr. E. Bedford, CB, CVO, ARIBA, Chief Architect, and Mr. A. B. Mann, CBE, BSc(Eng), MICE, MIMechE, Chief Engineer. The Directorate General will have joint executive responsibility for all professional services in the Department, including works, lands and accommodation services.

The RIBA 'Annual'

THE RIBA annual meeting was held at 66 Portland-place, W1, on Tuesday night, when rather over 200 members were present to hear an initial question by Mr. G. F. Whitby (F) to the President (Mr. Spence) as to whether the meeting had been called in accordance with the by-laws.

THE PRESIDENT: 'The report has been issued late and to that extent the meeting is not in accordance with the by-laws. Does it matter?'

MR. WHITBY: 'I then ask that the report be referred back to Council for reconsideration and re-issue as a proper report of Council and in proper time, and I suggest that further proceedings tonight should take the form of a friendly discussion.'

On being put to the meeting, four votes were registered in favour of the motion which was declared lost.

In general discussion on the annual report, MR. WALTER BOR pressed the need for a clear-cut RIBA policy on planning. After support by MR. GRAEME SHANKLAND, it was announced from the chair that this matter was high on the list for consideration by the policy committee. Arising from remarks by MR. LESSLIE WATSON, who asked that the final report of the Constitutional Committee (approval of which had been deferred that afternoon until June by the Council) should be submitted to the Allied Societies before final approval, MR. CLEEVE BARR stated that the next step would be to draft by-laws which would be submitted to two special general meetings, 'probably at the back-end of the winter.'

There was much discussion on a motion by MR. E. B. REDFERN (Exeter) that (a) implementation of the Oxford Conference proposals should be deferred until local societies and individuals had considered them and published their findings; and (b) that the new Board of Architectural Education should be appointed in a proportion equivalent to the Institute's composition.

On a show of hands the motion was defeated, 19 voting in favour. The meeting closed at 8.20 p.m.

A full report of the meeting will appear in our next issue.

The Builder

INCORPORATING ARCHITECTURE & THE BRITISH ARCHITECT

Vol. CXCVIII. May 6th 1960 No. 6103

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No Halt to Expansion

SO MANY HINTS HAD BEEN CURRENT that the Government was intending to curb the expansion of private credit that the Chancellor of the Exchequer's announcement last week that the clearing banks have been asked to make special deposits of 1 per cent. of each bank's total deposits (Scottish banks ½ per cent.) and that from April 29 restrictions would be re-imposed on hire-purchase for a wide range of consumer goods came as no surprise. The former step is tantamount to withdrawing an amount equal to about £74m. from the volume of money available for lending, and it is likely that among the principal sufferers will be those who look to the banks for assistance in financing property deals; to this extent the building industry is bound to be affected.

Setting aside the disappointing fact that the curb has been thought necessary by reason of rises in the level of production (when will the economists find the answer to this one?) the building industry as a whole will not feel inclined to challenge the Chancellor's decision. The pressure on the industry is at present very great, not only in London and the great cities, and it is the remarkably keen level of tendering that has restrained the cost of building from rising markedly. Among the reasons given for this—strange phenomenon in an over-busy market—is that the amount of negotiated building work now being done for private investment is so considerable as to sharpen the competition for local authority and other contract work. If this be so, then we may expect to see some slackening of investment building and, consequentially, building firms interested in that class of development turning their attention once more to competitive work.

The effect of this should be to keep prices steady (unless further concessions in building working hours make absorption of cost impossible) and this is to be welcomed. If it should result in some small diminution in the total volume of work now running, this too could be a good thing. No one blames the building operative for cashing in on the state of the market, but it cannot be good for the industry's health that men should be constantly on the move from site to site looking for 'over the odds' payment. Yet this is happening in many parts of the country and is seriously affecting both production and labour relations. It must be hoped that the Chancellor's present mild embrace will be sufficiently effective to render unnecessary another squeeze of the severity of 1955.

Notes of the Week

New AA President; PPRA's Four Rules for Architecture; Burslem Centre Improvement; Art Workers' American Night; Crusoe's Creator—Brickmaker

MR. EDWARD PLAYNE, whose nomination as President of the Architectural Association shortly comes up for confirmation, should fill this important post admirably. The AA is not having an altogether easy passage just at present, and there are a number of matters that require attention and action, some of which were referred to in a leading article in 'The Builder' of November 6 last. A question in the minds of many is whether necessary reform can be achieved within a term of presidency extending over twelve months only. The pros and cons of a two-year presidency are well known; it is nevertheless time that they were reconsidered.

Mr. Edward Playne, DSC, FRIBA, AADipl, who (see first Note) has been nominated as the next President of the Architectural Association

PPRA'S Four Rules for Architecture

SIR ALBERT RICHARDSON showed that he had lost none of his fire when, as President of the Guild of Surveyors and standing in the Great Northern Hotel ('half-way between George Gilbert Scott's tragic St. Pancras hotel and Cubitt's masterpiece, King's Cross') he trained a further volley of well chosen invective on bureaucratic control, architects whose vision was in conflict with the quiet strength of tradition, and those who were turning the Thames into an adjunct of the Grand Junction Canal.

The occasion was the presentation of the first gold medal of the Guild (designed by the President himself) to Mr. Kenneth R. Pitman who, as Mr. Gordon Tomalin remarked from the chair, had served the Guild magnificently in its early years as hon. secretary and treasurer; the Guild had broken fresh ground in making the award not for scientific discovery but for the building of good relations in its important sphere. The presentation was made by Sir Albert who later handed to Mr. Frederick Snow, CBE, the consulting engineer, an illuminated certificate on his election as the first hon. Fellow of the Guild.

• • •

THE PRESIDENT in writing off St. Pancras with the line 'We don't care a jot for George Gilbert Scott and his pitiful rot,' paid a handsome tribute to the Guild of Surveyors and the work done by its members. 'Architects,' he said, 'need accurate information about sites and measurements; the world would look a better place if we were thus freed to do something we really know about.' The Guild stood for something above commercial interests and as such commanded support.

All is not lost for the future of architecture, Sir Albert thought. 'The public is becoming aware of architectural shortcomings. Not a mile away, in Park-crescent, rebuilding is being continued on Nash's line.' (This must have pleasantly surprised any bureaucrats present who earlier had been put in the pillory. Then came four rules for good architecture:

1. Is it paintable?
2. Does it fit into the landscape?
3. Is it polite to its neighbours?
4. Does it express the character of England?

Altogether a stimulating evening which must have given the members of this excellent society much encouragement.

Burslem Centre Improvement

A YEAR AGO the outcome of a 'face-lifting' experiment initiated by the Civic Trust in Magdalen-street, Norwich, attracted widespread interest. On May 13, at the centre of Burslem in Stoke-on-Trent, another co-operative venture in urban rehabilitation is due to be completed.

This Stoke-on-Trent improvement breaks new ground. It applies the lessons of Magdalen-street to a drab industrial area. Plans for laying out a garden and car park on the Old Market site adjoining Burslem Town Hall, and for the building of public conveniences, were already far advanced when the City Council sought the help of local traders and the guidance of the Civic Trust in giving a 'face-lift' to the surrounding property in time for the Jubilee celebrations. The Trust made available the services of Mr. Misha Black, who was the co-ordinating architect for the Norwich scheme, to produce a comprehensive design in collaboration with the City Architect and the Reconstruction Officer. The Old Market site was amalgamated with that of the Town Hall, and its layout was integrated with a reform of traffic circulation and the reconditioning of commercial property.

Art Workers' American Night

THE ART WORKERS' GUILD is promised an evening of more than ordinary interest on May 18, when it will mark the annual 'American Night' with a lecture by Mr. Peter Shepheard, FRIBA, on 'A Landscape Architect's View of America.' The

RA Exhibition, 1960 *Drawn by Frank Weemys*

The Corn Exchange site, Stratford-upon-Avon; Frederick Gibberd, architect. A review of the architecture in the Exhibition begins on page 866

Poet's Corner

THE RA SUMMER EXHIBITION

'No time for it at all'! we say—
'Dull and effete! Poor old RA'!
And, having washed our hands of it,
Along we go for the annual crit!

ANON.

purpose of this occasion (which originated in a suggestion by Mr. W. B. Dalton) is to foster friendship and understanding among those on both sides of the Atlantic interested in the arts and a benefaction from Mr. Dalton enables the talk (which is at 6 Queen-square, WC1, at 8 p.m.) to be preceded by a buffet supper. Members (and particularly those who wish to bring American friends of the male sex: ladies by the rules are not invited) should apply to Mrs. Nelson, 15 Cranley-gardens, SW7.

Crusoe's Creator—Brickmaker

AMID THE CURRENT CELEBRATIONS marking the tercentenary of Daniel Defoe's birth, emphasis will rightly be directed towards literary activities. For nine years (1694-1703) Daniel Defoe, creator of 'The Life and Strange Surprising Adventures of Robinson Crusoe,' ran a brickworks at Tilbury in Essex, close to Tilbury Fort. Greenwich Hospital was said to be built with bricks from Defoe's works as also were several other famous buildings. The Dutch were renowned for their bricks and tiles at the time and it was no mean feat of Defoe's to produce these building materials, which competed with the imports from the Continent. The brickworks were lost by Defoe when he was imprisoned in 1703. Little remains of the works, but numerous buildings on the north and south banks of the Thames still stand as a memorial to one of Daniel Defoe's lesser known activities.

Considerable progress is being made in the work of restoration at Westminster Abbey. This recent view of the interior from the triforium level looking east shows the restored ceiling vaulting of the nave with the redecorated organ loft in the foreground and the High Altar in the distance, substantially as it will appear today (May 6) on the occasion of the wedding of HRH Princess Margaret and Mr. Antony Armstrong-Jones. The work is being carried out under the direction of the Surveyor to the Fabric of the Abbey, Mr. S. E. Dykes Bowyer, FSA, FRIBA

Letters to the Editor

The Joint College and the RIBA

SIR,—The announcement that a joint College of Architecture and Building is to come into being in central London on a building site already acquired is important, as the culmination to much that has been rumoured and discussed during recent years. Although Mr. Peter Trench has recently shot at the RIBA, and so by inference the RIBA Board of Architectural Education, for fumbling and pulling back on the question of joint education, experience on both bodies suggests that he might have aimed also at the Board of Building Education. The fact is that the problem of cross-fertilisation in the building field, as Mr. William Allen has shown, is exceedingly complex. Professor Nervi's solution for his own approach to building is hardly appropriate to general needs. Then again the recommendations of the RIBA committee set up to review the implications involved in the creation of a separate class of technicians or technologists, which may have a bearing on the issue, are still awaited.

In creating this new course, danger from two directions must at all costs be avoided from the outset. First there must be no frustration due to external strings, fear of which at one stage proved a stumbling-block in the discussions with the AA. It is a matter for the Ministry of Education and the LCC to ensure that whoever is appointed to direct the architectural training will have a free hand to exploit the new situation in as enlightened a way as possible.

This points to the second difficulty: that of maintaining RIBA recognition to bridge the interim period during which the new course is proving itself, a point to which Mr. Gordon Brown addressed himself in your last issue. In recent years, however, the Board of Architectural Education, concerning itself with the standard achieved, has shown considerable flexibility. Not only has it accepted retrospectively for recognition courses of differing composition: it has also shown readiness to approve in principle in advance the pattern of a proposed course, on the understanding that it will be recognised if satisfactory results are produced after the first cycle of years has been completed. With the newly formed trimmed-down Board, meeting monthly to take executive action—superseding the old system by which the officers and the committee of the Board reported to a far larger body meeting only three times a year—combined perhaps with a little overtime on the part of the Visiting Board, there is surely hope that this difficulty can and will be overcome. The deliberate creation of a new unrecognised and unrecognisable course would cut right across the recommendations of the 1958 Oxford Conference.

R. E. ENTHOVEN [FRIBA, FSA],
4 Raymond Buildings, WC1.

* * *

SIR,—Mr. Gordon Brown does well ('The Builder' of April 29) to draw attention now to a most important issue. Relative to the training of architects two things are essential if a joint course is to attract students. They must be assured that the work they do will contribute directly towards an architectural qualification and that as training it has more to offer than what is usually available. Mr. Brown is quite right to underline the fact that the one hangs upon the other and both upon the policy of the Institute.

If the training is to be better it must be able to break away from the pattern imposed upon the schools by convention and by the need to comply with the customary and custom-bound requirements of the Visiting Board. Joint training is expected to afford just such an escape and enlargement: otherwise it is only the usual Polytechnic-type dualism. Granted this is so, realistic-minded students will certainly be attracted.

Within the sort of framework which can easily be imagined, a type of training could be offered which should satisfy both school men and the hard-way-is-best brigade. Unfortunately, however, the student's aim is not primarily to qualify to help others but to become eventually an architect himself and he is entitled to ask whether the course will make him one not merely *de facto* but *de jure*. How this can come to pass is a matter for the Institute and ARCUK to decide.

In the event it would seem that as usual any such decision will have to be a variation made hastily, hardly before the Oxford contract is let, since in all the torrent of words poured out during and since the Conference little if any reference is made to joint training. One might indeed be forgiven for wondering whether the Conference and its conclusions are not irrelevant to the actualities of today and the developments of tomorrow. Drastic changes are impending within the profession itself—changes which, far from being resisted, are in fact being anticipated by the more astute even as they cry Woe! They will not be made in favour of the architectural father-figure which, like the ghost of Mr. Butterfield, hovered benevolently top-hatted over the Oxford deliberations.

R. W. PAINE [ARIBA, ARCA],
Fordwich, nr Canterbury.

'He's the right age—whether he's the right type remains to be seen!'

* * *

SIR,—In his letter, Professor R. Gordon Brown states: 'It is only through the RIBA examinations that the architectural students in the new centre may become Registered Architects.' This is quite incorrect: under the Architects' (Registration) Act, 1931, my Council recognises the examinations of 30 Schools of Architecture.

Those of the RIBA and the School of Architecture of the Regent Street Polytechnic are only two of those recognised examinations.

DAVID BENTON [BA, LLB], Registrar,
Architects' Registration Council of the UK, 68 Portland-place, W1.

* * *

SIR,—Mr. Gordon Brown's letter in 'The Builder' of April 29, I am sure, was written to secure the proposed new College of Architecture and Building every assistance and support from the RIBA, but, within the long confusion which develops in his letter, it is difficult to avoid the conclusion that his opinion of the RIBA is pre-Oxford Conference.

As I see it, the RIBA policies covering architectural education are now conditioned by the Council's acceptance of the Report of the Oxford Conference Committee. This report makes it inevitable that courses, schools and examination requirements will be reviewed. One of the particular points about Oxford was the expressed wish that the direct external examinations of the RIBA should by stages be eliminated and with this that all schools which provide the right standards of entry, basic facilities and accommodation, and the prescribed periods of tuition and standards of scholarships should be *recognised* and thus provide their own examinations, subject only to RIBA inspection and specific requirements about practice and external examiners. I read into this that the Board of Architectural Education is not going to be dogmatic about the details of specific courses—I don't think it ever has been—and 'several approaches to final examinations' have always been possible.

The point made about early recognition before a new course has run its span, is, I think, a useful one which the Board might discuss, but it has a wider application than simply to this new College. My own belief is that the RIBA will welcome a radical approach to joint education and might be prepared to reduce the trial period, if this were imposed, but it is only fair to ask that the types of courses should be described first.

Mr. Brown should not give the impression that the LCC or the Regent-street Polytechnic has made any statement about these on which the RBA might act.

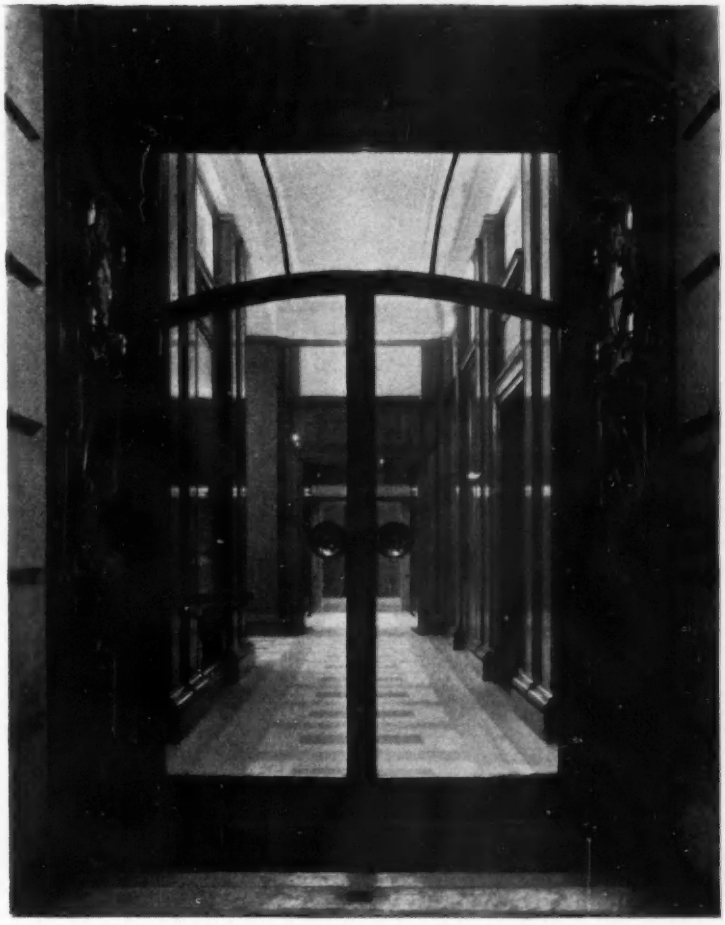
DENIS HARPER [BARCH., FRIBA],
Professor of Building,
The Manchester College of Science and Technology, Manchester, 1.

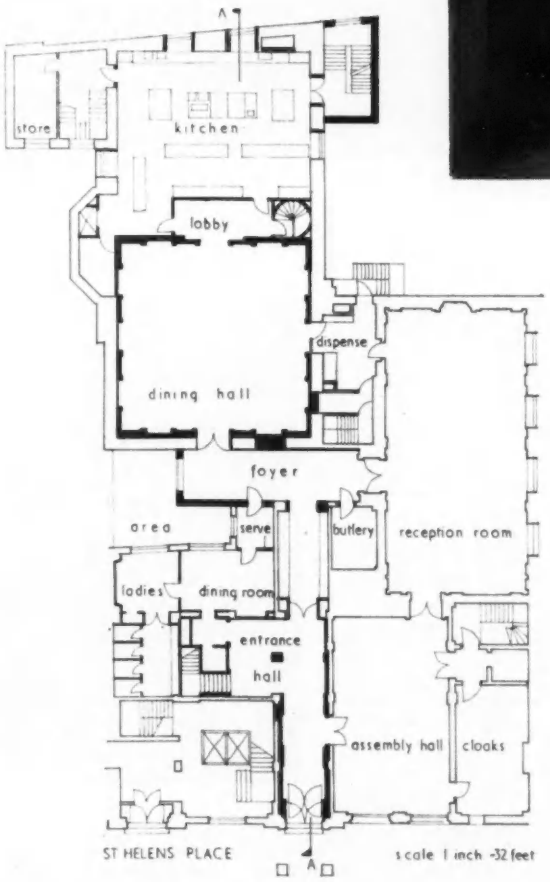
(Other Letters are on page 873)

The Worshipful Company of Leathersellers

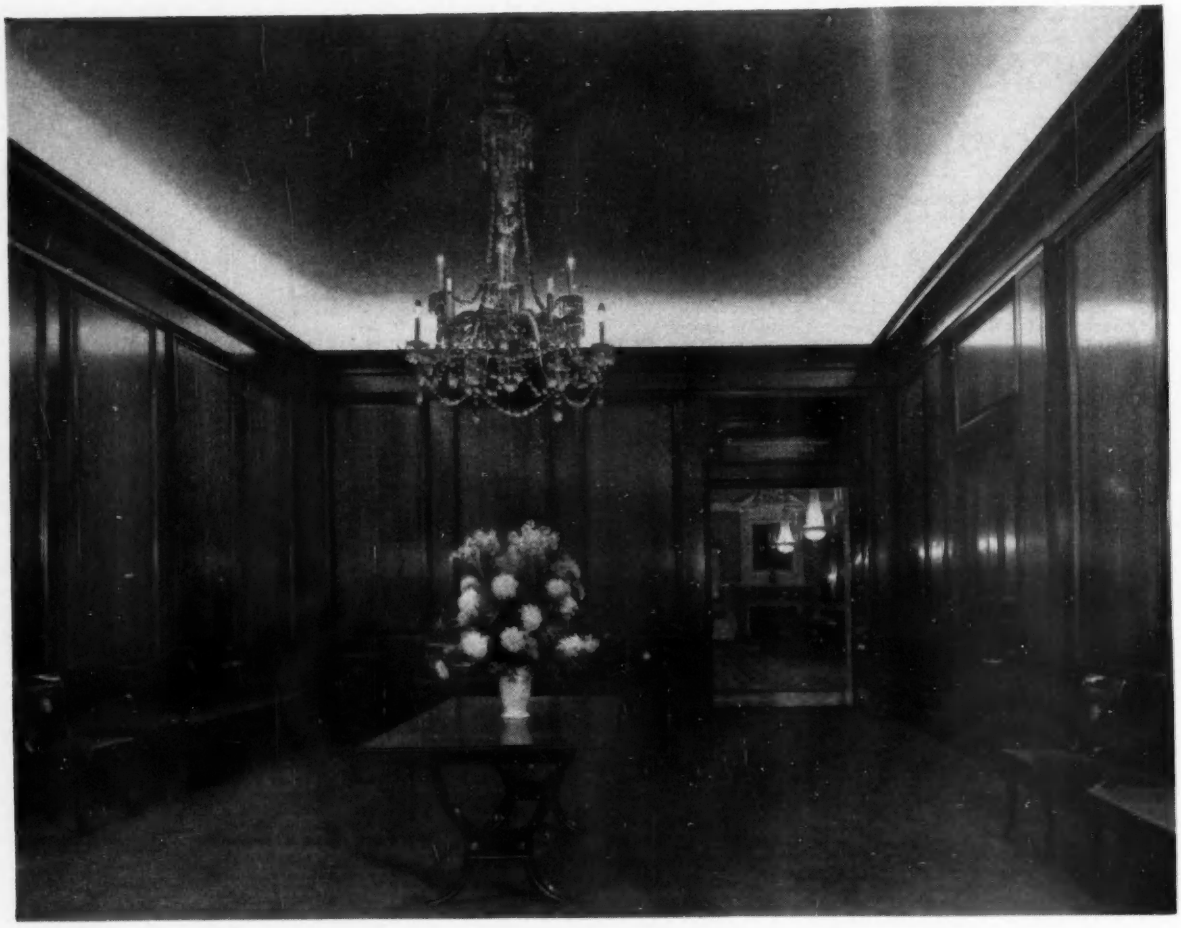
LIVERY HALL AND OFFICES, ST. HELEN'S-PLACE, EC3

LOUIS DE SOISSONS, PEACOCK, HODGES & ROBERTSON, architects (KENNETH PEACOCK, in charge), JOHN BASING, assistant in charge; R. T. JAMES & PARTNERS, consulting engineers; PEASE & TANNER, quantity surveyors; CHRISTOPHER IRONSIDE, designer of tapestry, clock and gallery balustrade; FALKUS BROS., LTD., builders





View into entrance hall from St. Helen's-place. Below, view from the foyer looking to the entrance. Photographs by Colin Westwood



THE PROBLEM OF ARCHITECTURAL STYLE which faces the rebuilding committees of those City Livery Companies which lost their Halls in the war cannot be an easy one. Respect for tradition, in architecture as in manners, has deep roots in the City of London and, admirable as this is, the questions which it raises for an architect and the rebuilding committee proposing a scheme of rebuilding or of major reconstruction are formidable, none more so than the striking of a proper balance between the past and the future, remembering that many of the Livery Companies are anxious to carry on and develop, possibly in new forms, the craft and educational traditions on which these institutions were founded.

A remarkably successful solution is the work of reconstruction recently completed, after a total period of ten years, at Leathersellers' Hall in the City of London. Here, within a framework dictated by a pre-war rebuilding scheme, the Worshipful Company of Leathersellers have contrived with the assistance of their architect, and aided by superb craftsmanship, to provide themselves with reception and dining accommodation in which use of the arts and architectural artifice enable a decorative note to be struck which, while not outraging the susceptibilities of older members of the Livery, has pleased the younger members on whom the task of carrying on the Worshipful Company's work must before long increasingly fall. In no direction has success been better won than in the design and execution of the furniture and furnishings where fresh variations on traditional themes have resulted.

The scheme of reconstruction has followed this course: the old Livery Hall was gutted by fire during the war and the first post-war job (in 1949) was to provide a new Reception

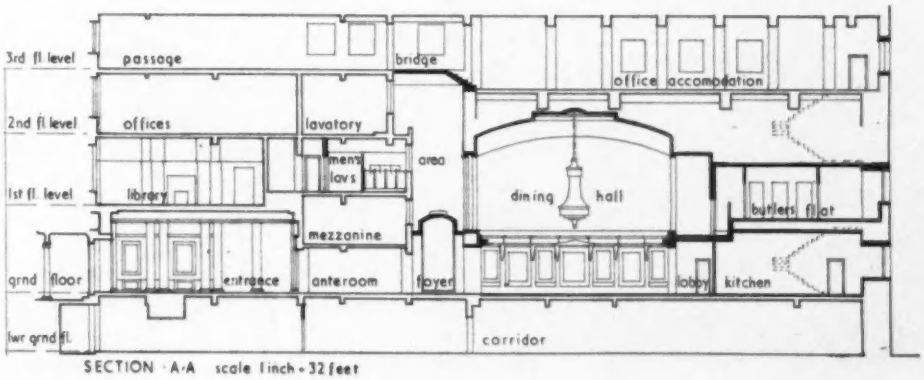
Seen above is the Assembly Hall, which is en suite with the cloakroom. The Hall, panelled out in Nigerian walnut, is furnished with chairs, benches and tables designed by the architect, as also was the chandelier in the Dining Hall. The chairs are in burgundy-coloured leather, and the room (whose walls now carry framed examples of the Worshipful Company's ancient charters) creates a most happy effect on guests as they pass through it by way of the connecting door (right) to the Reception Room which is shown in greater detail on facing page. At the far end of that room, over the fireplace, is a commemorative panel inscribed by W. H. Sharpington, who also carried out the coat-of-arms and lettering on the wych-elm panelling in the foyer (see overleaf).

Room, put the service rooms in the basement in working order, make good the panelling in the Assembly Hall which was only partly burnt, and construct a new suite of offices on the first floor for the Clerk of the Company, Mr. John Hingston, and his staff. It was originally intended to rebuild the dining hall as a double cube and to have a grand staircase leading up to the court room and court luncheon room on the first floor, retaining the layout of the rooms very much as they were pre-war, and drawings were prepared on this basis, but it became apparent that such extensive premises would be uneconomic today.

The present scheme, therefore, has utilised the double cube of the old livery hall to house a new single cube dining hall, with a kitchen and a flat for the butler occupying the other half. The court room and court luncheon room have been converted into offices and let off, and the ceremonial staircase to the first floor has become a little private staircase leading only to the Company's offices. The dining hall, which seats 82, is a cube about 36 ft. square with a suspended fibrous plaster saucer dome. The walls are panelled with Mansonia and rosewood up to a height of about 12 ft. and above this covered with a yellow damask on a plywood lining. Under

(Continued on page 865)

The Reception Room, also used as a Court room, is a free adaptation of the Adam style; it is particularly noteworthy for the lighting fittings, mirrors and furniture designed by the architect. From this room access to the dining hall is gained by the foyer whose walls are leather-lined and one end of which is glazed by stained glass

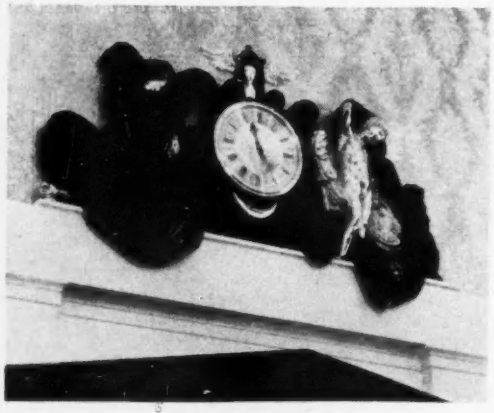


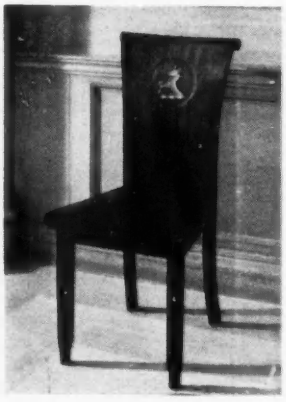
SECTION A-A scale 1 inch = 32 feet

Left: Panelling in foyer with members' and Masters' names, in wych elm. Below: a tapestry coat of arms in dining hall, by Christopher and Robin Ironside, who also designed the clock in the dining hall; in this the figures are cast in a specially hard plaster and gilded and painted, the dark colour being madrigal blue; the theme is 'Night and Day.' At foot of page are a hall chair in Honduras mahogany and (right) the Master's chair designed by the architect in conjunction with the Ironside brothers. The theme on chairback is the loving-cup with cornucopia. On facing page is a general view of the dining hall, showing the gallery

Sub-contractors & Suppliers:

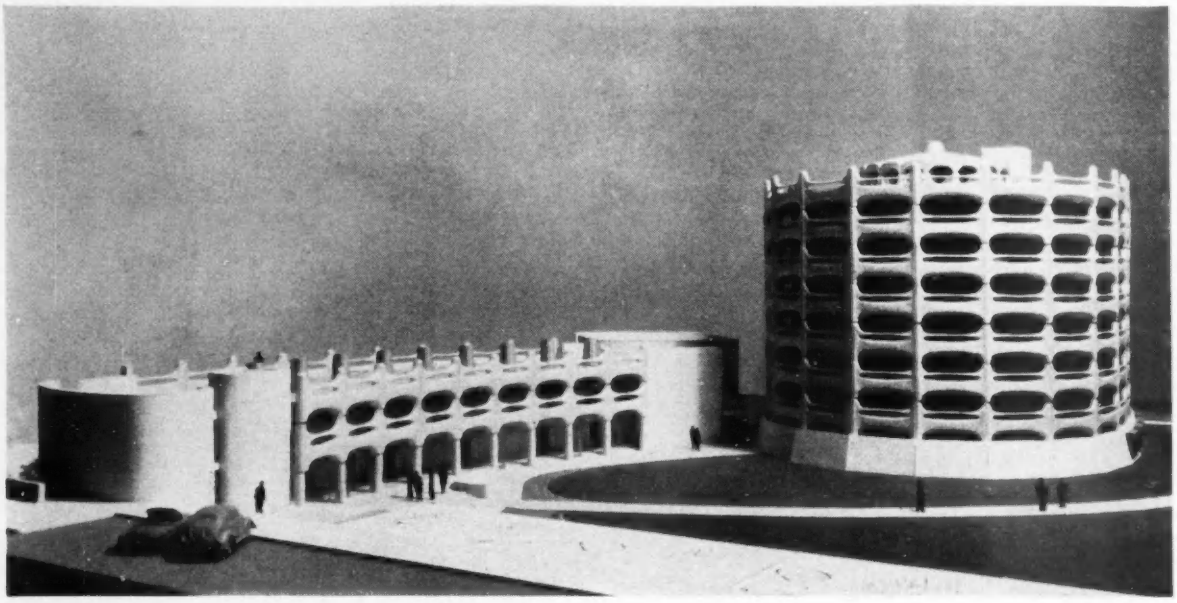
Specialist joinery (dining hall, entrance hall, foyer, ante room, staircases, small dining room, powder room, etc.): John P. White & Sons Ltd. (assembly hall): Bath Cabinet Makers Ltd.; *fibrous plaster work and acoustic ceilings:* Clark and Fenn Ltd.; *floors* (wood): Vigers Bros. Ltd. (marble): Fenning & Co. Ltd., and (terrazzo): St. James Tile Co. Ltd.; *bronze entrance doors and music gallery balustrade:* Haskins; *leather panelling:* Woolnough Ltd.; *tapestry:* The Edinburgh Tapestry Co. Ltd.; *curtains and wall covering in dining hall:* The Decorative Art Guild; *wrought ironwork:* Hurst Franklin & Co. Ltd.; *carpets* (dining hall): Decorative Art Guild, (small dining room and powder room): Decorative Art Guild); *furniture:* Mines and West Ltd.; *chandelier and special lighting fittings:* Allom Heffer & Co. Ltd. and Dernier & Hamlin Ltd.; *chandelier suspension gear:* London Electric Firm Ltd.; *electrical installation:* Berkeley Electrical Engineering Co. Ltd.; *heating and ventilating:* Rosser and Russell Ltd.; *cold water services and plumbing:* Smeatons; *lifts:* Express Lift Co. Ltd.; *door furniture:* A. G. Roberts Ltd.; *kitchen equipment:* Benham and Sons Ltd.; *metal windows in offices:* John Thompson (Beacon Windows) Ltd.; and *partitions in offices:* Unilock.





the fitted carpet is a 'dance with the grain' maple floor. It was not possible to put any additional load on the ground floor slab or the walls of the old livery hall, so that the dividing wall between the dining hall and the kitchen and butler's flat, and the floor of the butler's flat have had to be suspended from lattice girders spanning between stanchions in the old walls, and both the suspended wall and floor have had to be of soundproof fire-resisting construction. The foyer connecting the dining hall with the reception room and ante room is an extension of the old lobby to the livery hall and had to be high enough to accommodate an old stained glass window without being visible externally through the dining hall windows. The walls here are panelled with leather and the floor is patterned with coloured marbles.

The other rooms are generally within the old structural walls. New openings have been cut and ceilings firred down but the shapes remain more or less the same. The small dining/powder room/lavatory/servery suite is used as a ladies' cloakroom for some evening functions and for lunches when fewer than eight people are present. The men's lavatories and dressing rooms are in the basement off the stairs from the assembly hall and have been reconstructed.



Model by Thurloe Models, Ltd.

Department of Commerce and Social Science, Birmingham University; Howell, Killick & Partridge, architects

Academy Architecture, 1960

REVIEWED BY ROBERT W. PAINE, ARIBA, ARCA

THOSE WHO VISIT THAT BOURNE from which all travellers return, simply because there is no way through, will be agreeably surprised to find that the Academy has ameliorated the former ante-room-to-the-palm-court-like atmosphere of the Architecture room. Pleated fabric finished with a curious metallic sheen makes a vastly improved background to a collection of works, selected by Sir Hubert Worthington and Mr. Raymond Erith, which in general themselves contribute to the feeling of lightness by simpler framing than usual.

Past and present contend for first attention. One end wall is devoted to work by the late Sir Giles Gilbert Scott, drawn by A. C. Webb in a weighty Germanic manner, none of it his best. Elsewhere Mr. Basil Spence makes five offerings in his own hand. This leaves no doubt about his intentions. In full colour under Wagnerian skies we have Universities, a power station and a new town centre, all curiously dehumanised by a process of simplification and modelling which robs them of scale. Here are not so much buildings as gigantic toys. Perhaps in actuality this effect would be mitigated when one experienced the buildings as places rather than as objets trouvés. Unfortunately it remains a fact that at the Academy architecture is reduced to competing with sculpture and, even so, unfairly since the sculpture may be walked around and seen through. For this reason bridges, of which there are three, come out of it rather well, there being no more to it than what is represented. A footbridge on the Bristol motorway promises to be an efficient and interesting piece of free form, but that proposed by Guy Morgan and Partners for the Cam lacks delicacy despite a disarming simplicity: the abutments are crude.

Two past Presidents—one of the RIBA, the other of the RA—as usual make a contribution: Sir Howard Robertson also on his own confession; Sir Albert Richardson by proxy. Students of the curious will find much to interest them in the latter's project for Bryanston-square, singularly uninspired save for the quaint notion to have overdoors detailed in the manner of those frets which once graced harmoniums. The former's project for the Worshipful Company of Salters is oddly embellished with incised lines and patterns Soanesque in character.

Riding Wild Horses

Since properly to portray a work of architecture even by means of a model is so difficult, much might be said for those who, like Sir Albert, are content to leave it at one aspect, drawn in line in the we'll-tell-no-lies style. Mr. McMorran reveals his wares in this way with a highly competent drawing made apparently at the request of the late Sir Robert Peel to accommodate the new police force; Mr. Erith should look out. Sir Hubert Worthington, riding the wild horses of Palladianism and Modernismus, appears to have some difficulty to avoid doing the splits at full gallop. It is possible his steeds have taken fright at the trees. In this genre the best is that which has no need to be ashamed of association with the past to which its style belongs —the design for a memorial at Easton Neston by P. D. Hepworth is elegant both in form and rendering. Oddly enough the same architect is responsible for the very poor drawing of Sir Thomas Bennett's Holborn Viaduct building, itself no beauty. The output of this firm, at its best very good, is strangely uneven.

Perhaps in what is, after all, a grand bazaar of art it is hopeless to expect other than the extraordinarily heterogeneous collection which the Academy provides, but it is all the same a pity that so little of what represents the larger and at times sinister developments of today is on view. Of comprehensive development schemes the only one is the Knightsbridge Centre by Guy Morgan and Partners, threatening to shed gloom over the area by a congestion of towers in what is a relatively small space. Millbank Development by Ronald Ward and Partners might perhaps qualify but has the air rather of being a single building running amok in height. True this is not the entire story: lesser elements play their part in what is an immensely intricate scheme. Unfortunately the form of the tower is amorphous and the podium, out of scale with what is above, threatens by its dissonance to play havoc with all that is nearby. By comparison the necessarily much more modest scheme for a Civic Centre at Hayes by

Clifford Culpin is quite delightful. Its composition is rational and compact, the plan organisation looks good and the Miesian detailing provides a consistent delicacy throughout. The steady development of this firm is worth considering as also is the example set by those pioneers who refuse to be shaken out of their steadfast loyalty to the principles of what was the modern movement. Not for them the gimmicks of sensationalism but the kind of directness, economy and taut composition which indicates sound and rational planning. Yorke, Rosenberg & Mardall's Hospital for Hull and Maxwell Fry's Head Offices for Pilkingtons rank equal with anything abroad.

Fortunately the new phallicism in respect of chimneys is evident only once, but bifurcation, presumably its female counterpart, afflicts numerous examples. For no good reason Gordon Tait swells out the end of his office block in Vauxhall Bridge-road just to achieve this effect, while Sir Hugh Casson practises it at Worcester College in terms of the new ponderosity which must surely give fresh hope to the publishers of Mitchells 'Construction.' North Oxford will have to look to its laurels for once again we have three-ring arches and deep embrasured windows displayed forthrightly with a Ruskinian regard for truth which will have no truck with beauty. Perhaps this is a Cambridge man's revenge.

Mr. Spence himself is slightly infected with the disease, as witness that strange element at Brighton, perhaps inspired by the battlements of the Castello Sforza in Milan. Doubtless the hyper-paraboloid is to blame but the layman will not wot of this when confronted with a gigantic pair of asses' ears. Perhaps the hope is that his attention will be distracted by the rising moons of lunette windows or wholly engaged in contemplation of the superfluous beam ends which project nearby.

'Thing From Outer Space'

On his home-ground, Sir Hugh for his Lecture Hall in Sidgwick-avenue has produced a 'thing from outer space' garnished with a multiplicity of ears and attended by consorts of undergraduates whose deportment confirms that the laws of gravity have now been overcome.

Residences for gentlefolk this year are conspicuous by their absence unless we count some flats at Bournemouth, appropriately garnished with a pair of enlarged kidneys. To cater for the luxury trade there is a pleasant tower block development by Eric V. Collins at Kingston-upon-Thames, almost Continental in the generous handling of its fenestration. Rather less successful because not so easily assimilated into the landscape is the Goodwyns Farm Estate at Dorking by William W. Ryder. The lesser fry come off rather badly at Gibraltar where Covell and Matthews' proposed Married Soldiers' Quarters seem to need some reference to the 'Principles of Architectural Composition' and amelioration of what is no doubt a difficult landscape.

Points in this respect are easily won by Architects' Co-Partnership who in their extensions to Trinity College, Carmarthen, use a mannerist approach in detail and a looseness of composition to immensely good effect. The modest drawing of this scheme is a little jewel and a lesson in economy. If this is how to marry into a Welsh landscape, then the Town Hall at Dolgelly by the late Sir Giles Gilbert Scott most certainly is not.

The Church fares rather badly this year. Sir Edward Maufe shows an interior view of Guildford Cathedral and does it less than justice. Sir Albert Richardson essays the Gothic in an uncertain way at Strawberry Hill, and Arthur Bailey with the Westbourne Park Baptist Church contends unsuccessfully with the fact that

Drawn by L. V. Barber

Development, St. Martin's-place, WC2; Sir Howard Robertson, RA, architect

Drawn by R. Myerscough-Walker

Drawn by Roy Latham

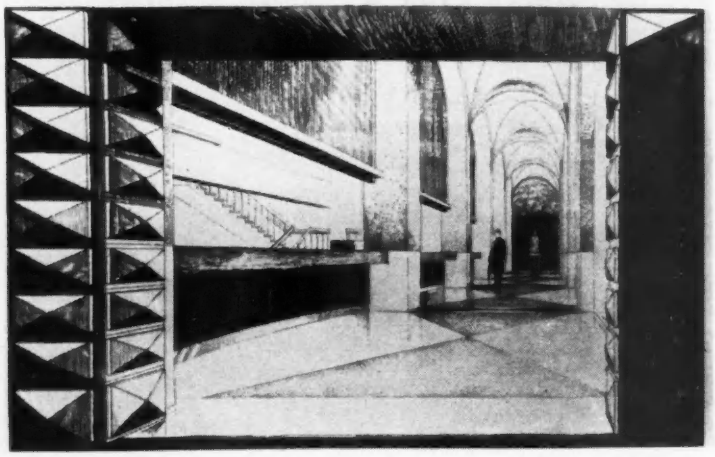
Drawn by Arthur Shearing

Top left: English Electric House; Adams, Holden & Pearson, architects. Below left: Knightsbridge Centre Development; Guy Morgan & Partners, architects. Right: Department of Civil Engineering, Imperial College; Norman & Dawbarn, architects

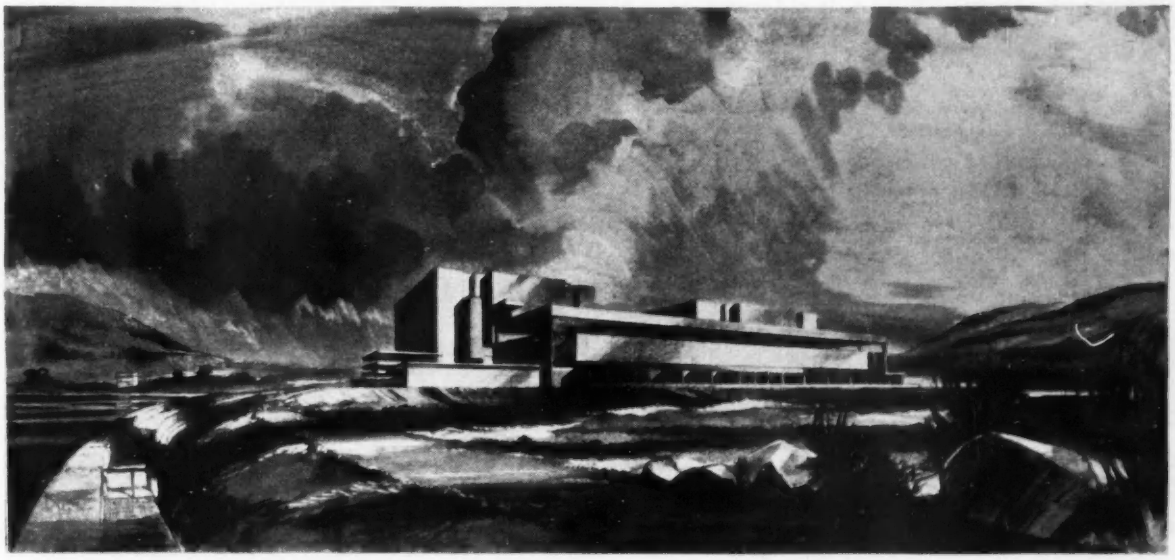
the site affords no chance at all to set off the building.

Commercial buildings on the whole are dully competent save for Frederick Gibberd's highly successful development on the Corn Exchange Site at Stratford-upon-Avon. By skilful and imaginative use of scale, colour and pattern he has obviously taken the wind out of the sails of the opposition which may be imagined to anything other than the bogus in that land of sham. This building should be made a compulsory study for the Town Planning Committees of all historic cities and towns.

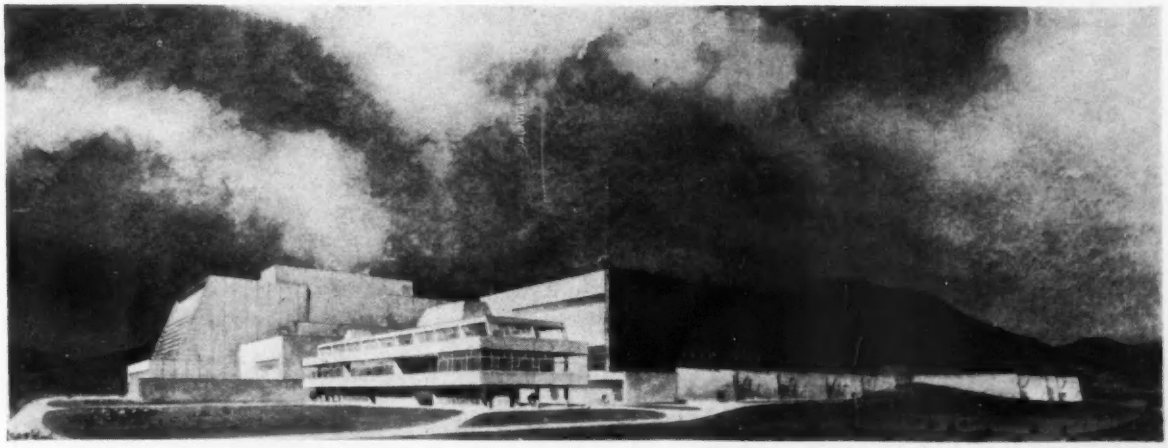
Schools and educational buildings are rather less prominent than of late. Norman and Dawbarn show a deft scheme for the National College of Heating, Ventilation, Refrigeration and Fan Engineering. The New Biology Building for the University of Birmingham is quite horrific with a water tank type top. Elie Mayorcas continues to please with his Whitefriars School at Harrow. Oddest in this line and perhaps in the whole show is the Department of Commerce and Social Science, an unholy mixture at Birmingham by Howell, Killick and Partridge. Shaped in a way perhaps more appropriate to a table ornament than to a piece of architecture this will be much photographed. Social Science will no doubt be better for the somewhat peculiar view of life its students will get from the windows. Schools of architecture would be well advised to place this building upon the register.



RA Exhibition, 1960
Banking Hall for Messrs. Coutts, 15, Lombard Street, EC3. Lionel Brett, Boyd & Bosanquet, architects

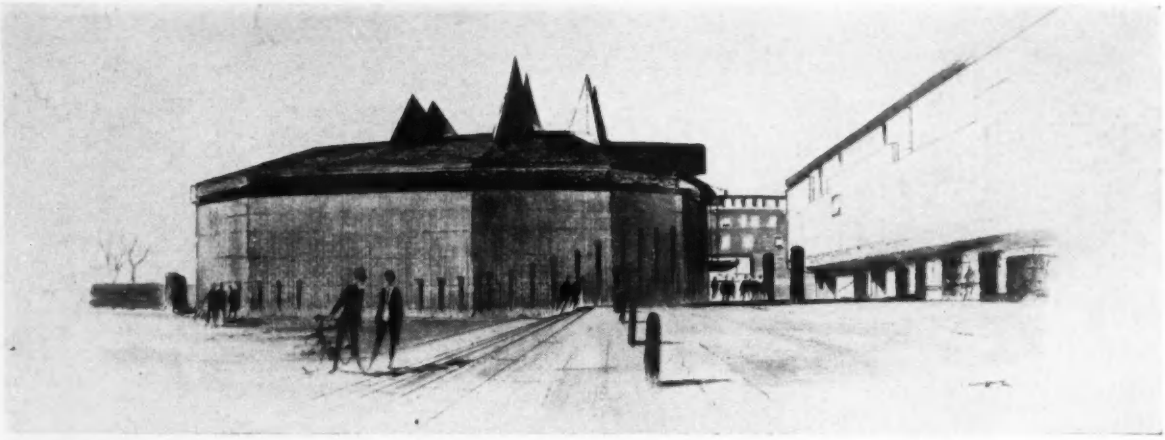


RA Exhibition, 1960. Drawn by Basil Spence.
TRAWSFYNYDD NUCLEAR POWER STATION. BASIL SPENCE, RA, CONSULTANT; J. D. MURRAY, EXECUTIVE ARCHITECT.

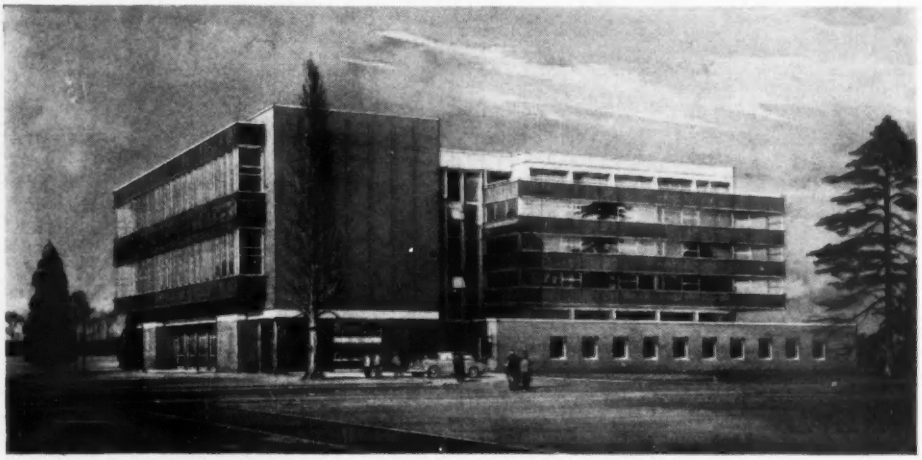


RA Exhibition, 1960. Drawn by A. H. Shearing.
TRAWSFYNYDD NUCLEAR POWER STATION PROJECT. MAURICE H. J. BEBB, ARCHITECT.

RA Exhibition, 1960. Drawn by A. C. Webb.
FORTH ROAD BRIDGE. DESIGN BY THE LATE SIR GILES GILBERT SCOTT, RA.



RA Exhibition, 1960. Drawn by Sir Hugh Casson.
PROPOSED LECTURE HALL, CAMBRIDGE. SIR HUGH CASSON, NEVILLE CONDER & PTRS., ARCHITECTS.



RA Exhibition, 1960. Drawn by Frank Weemys.
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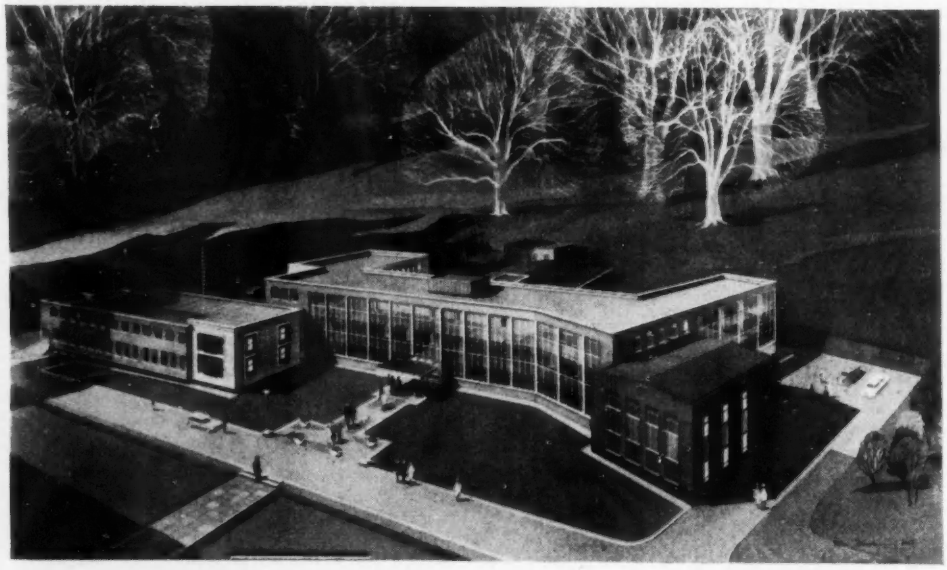
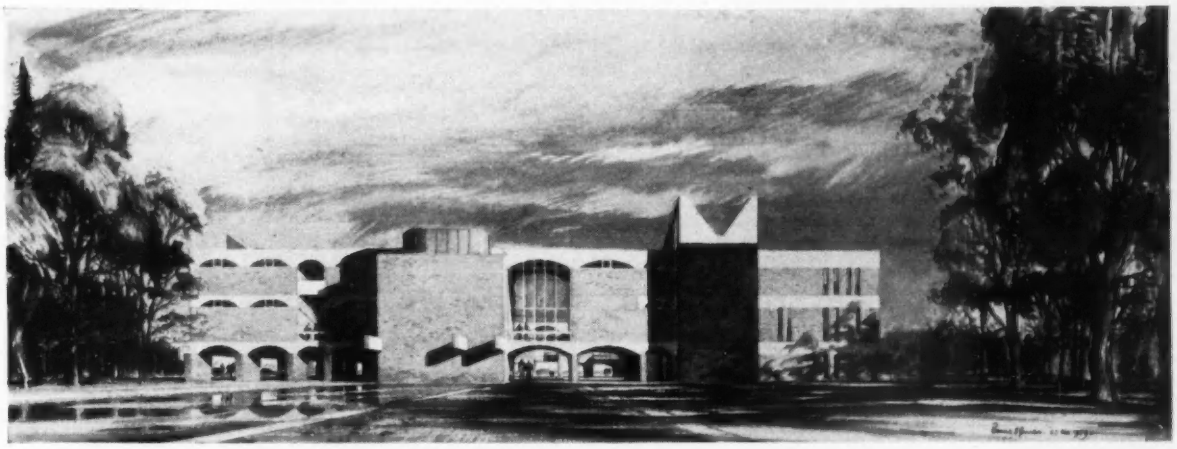


RA Exhibition, 1960. Drawn by Peter Sainsbury.
LABORATORY, DURHAM UNIVERSITY. EASTON & ROBERTSON, CUSDIN, PRESTON & SMITH.



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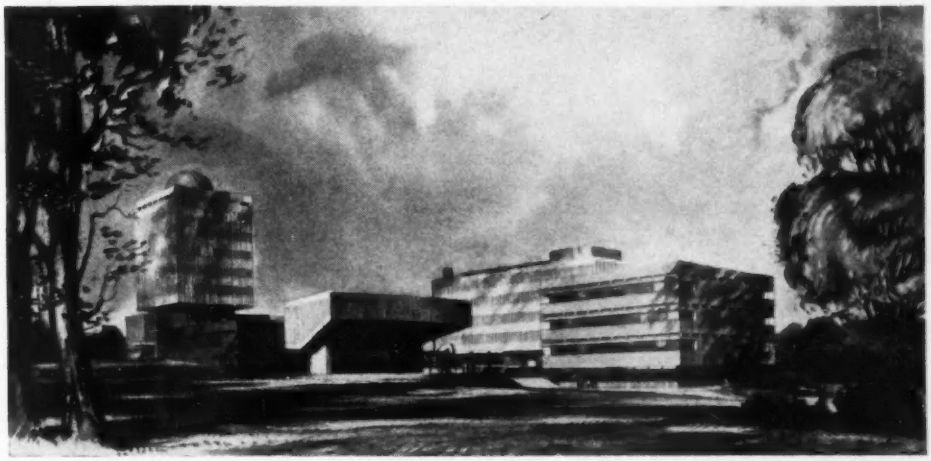
UNIVERSITY COLLEGE OF SUSSEX, COLLEGE HOUSE. BASIL SPENCE, RA, ARCHITECT



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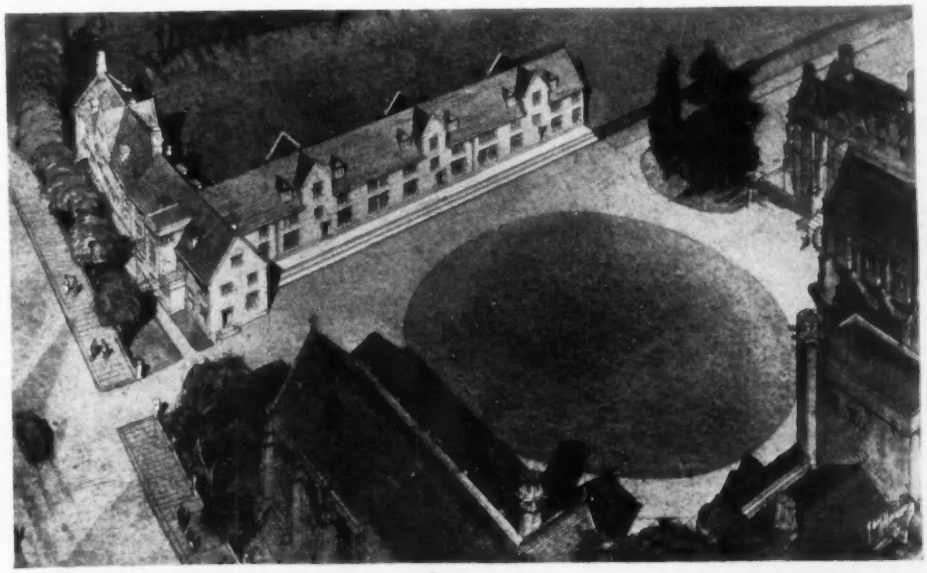
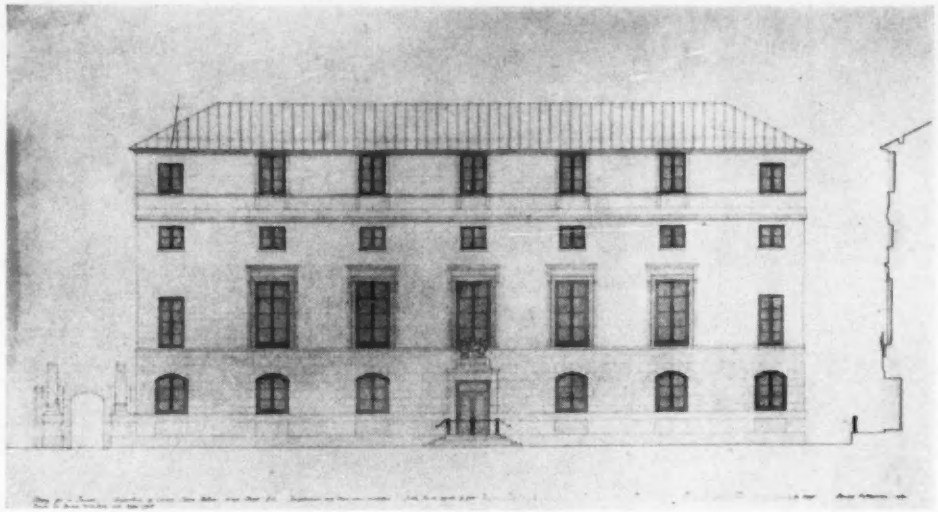


RA Exhibition, 1960. Drawn by J. D. M. Harvey.
MANSFIELD COLLEGE, OXFORD, NEW BUILDINGS. THOMAS RAYSON, ARCHITECT.



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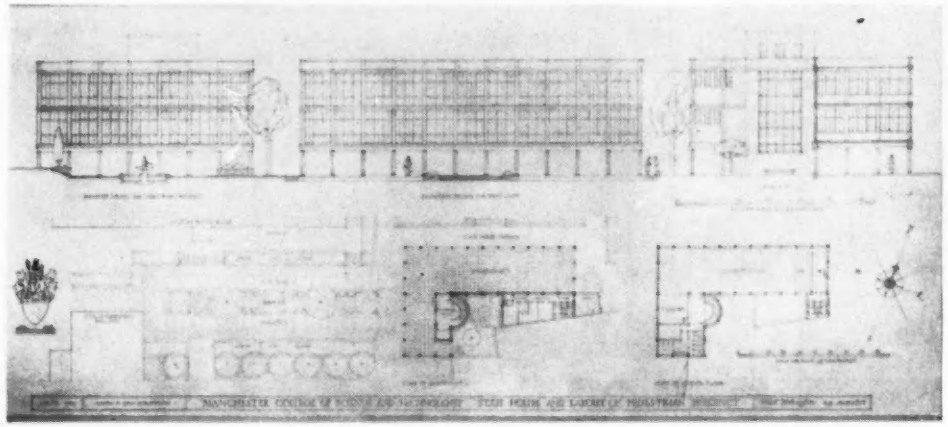

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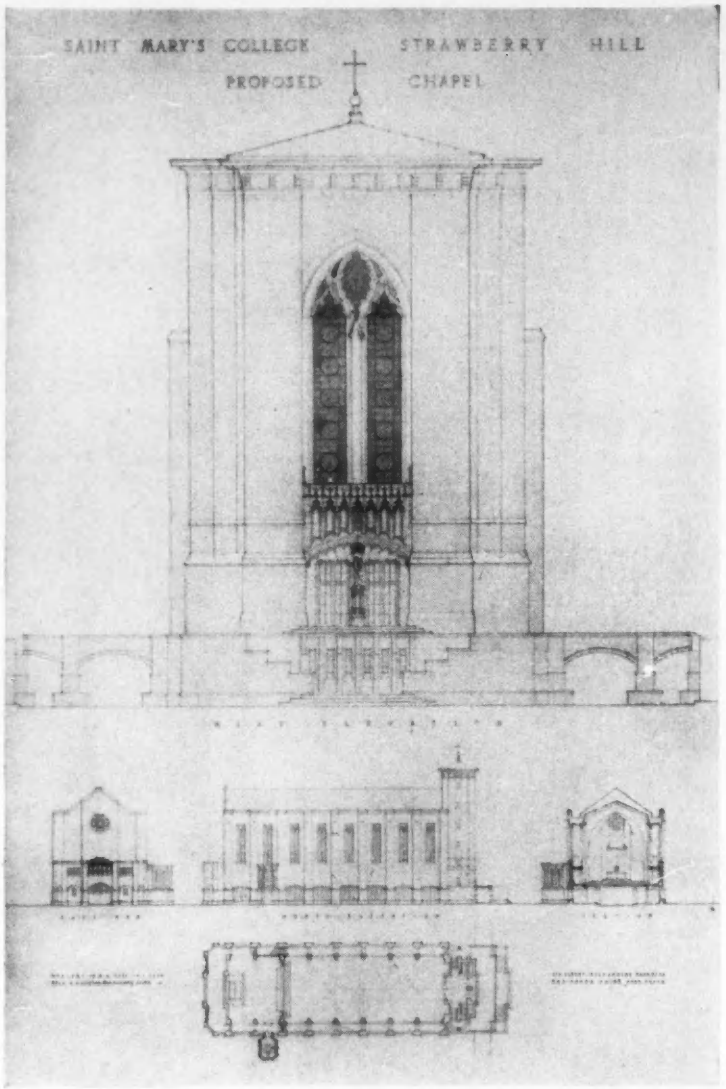

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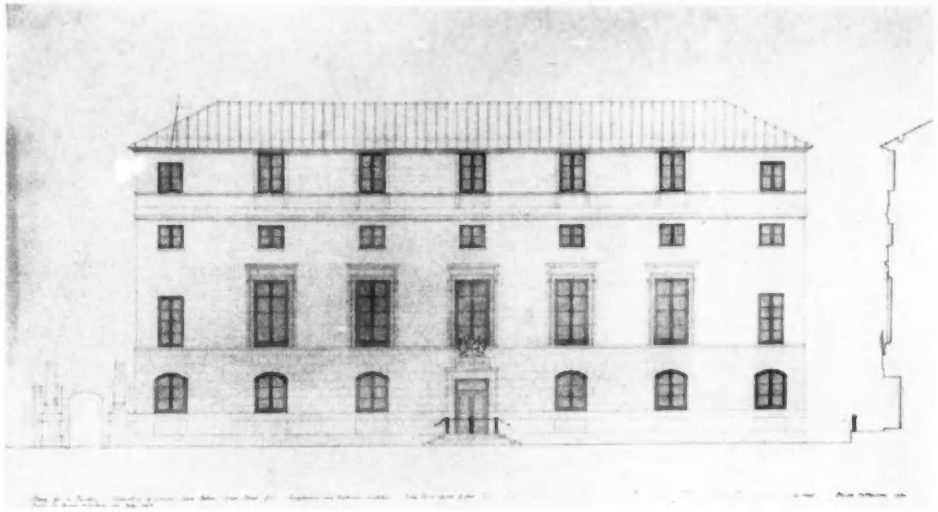

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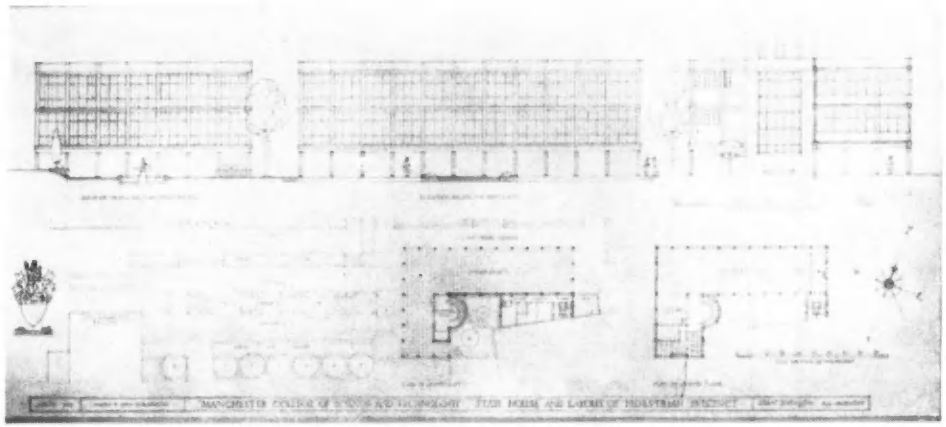

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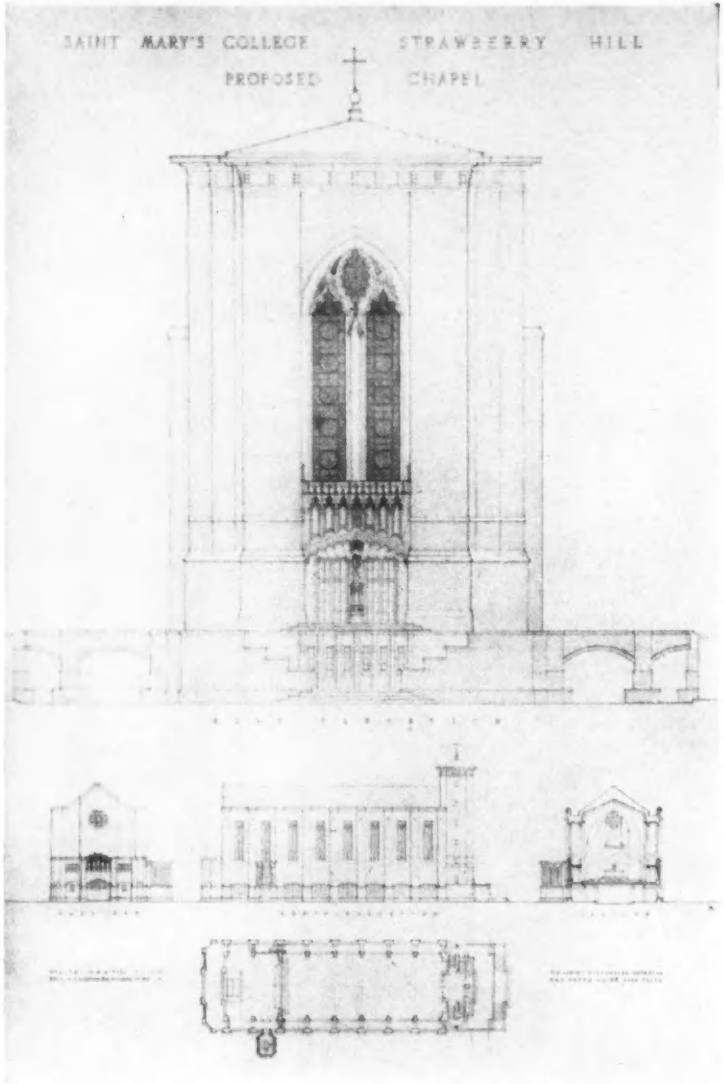

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as a major addition to the amenities of the Regent's Park Gardens in the Casson plan for rebuilding the Zoo published in March, 1959. Work will begin in the summer.

BTC Office Scheme Rejected

AN APPLICATION by the British Transport Commission to build a shop and office block adjoining Waterloo Station, London, has been refused by the Minister of Housing and Local Government and the Minister of Transport, after a public inquiry, on the ground that it was too big. The building was to have cost £3½m.

The commission's proposal was to build a single block on the site, of 11 to 12 storeys, to be occupied by 830 railway workers and 1,670 employees of private firms.

The letter of decision said the Ministers noted that development already authorised in this part of the South Bank comprehensive development area would give employment to a large number of office workers. While they accepted that the site could also be properly developed by the erection of an office building, they could not agree that any case had been made out to justify exceeding the prescribed plot ratio of 3.5 to one. They would see no objection to a building containing shops and offices on this site which conformed to the prescribed ratio.

Arts Council's New Chairman

LORD COTTESLOE has been appointed chairman of the Arts Council of Great Britain in succession to Sir Kenneth Clark, whose term of office expired on April 30. The appointment is for a period of five years.

Lord Cottesloe, who is chairman of the trustees of the Tate Gallery, was a member of the art panel of the Arts Council.

Ford Factory for Basildon

THE FORD MOTOR CO. announced on Monday that work will start shortly on a 1m. sq. ft. tractor factory at Basildon New Town, Essex. The estimated cost is £10m. This development is part of Ford's £70m. expansion plan.

Appointment

MR. GEOFFREY HOPKINSON, ARIBA, AMTPI, Deputy Chief Architect of Bracknell Development Corporation, has been appointed Borough Architect and Town Planning Officer of Poole.

Farewell to G. C. Lawrence

MR. G. C. LAWRENCE, who for the past 18 years has been responsible for the public relations of the LMBA, was entertained to lunch by the officers of the Association last week. He was presented with a cheque in recognition of his services.

Honorary Degrees

MR. PHILIP GOODING, director of information and assistant secretary of the Cement and Concrete Association, and Mr. William Monkton Matterson, designer and engineer specialising in gear cutting machinery, are to receive the honorary degree of Master of Science of the University of Leeds at a ceremony in the Great Hall of the university on May 19.

Professional Announcements

MR. FRANK RUTTER, FRIBA, has opened an office at 60 Woodbridge-rd., Guildford (telephone, Guildford 60235). The office at No. 2 Finchley-rd. has been closed.

MESSRS. GOTCH & PARTNERS, architects, of London and Brighton, are opening an additional branch office at 29 Richmond Hill, Bournemouth, where they will be pleased to receive trade catalogues and technical literature.

MESSRS. LANCHESTER & LODGE announce that they have taken into partnership MR. M. R. FERGUSON, ARIBA, who has been a senior member of the staff for several years.

MESSRS. J. & C. WHITEHEAD (JOHN AND CAROL WHITEHEAD, A/ARIBA), chartered architects, are now practising from 1 Crown-street, Bury St. Edmunds, Suffolk (tel.: Bury St. Edmunds 647); and 2 New-court, Lincoln's Inn, London, WC2 (tel.: Chancery 2037).

MR. EDWARD T. DOWLING, FRIBA, AADIP, of MESSRS. HENRY TANNER, architects and surveyors, has dissolved partnership with MR. W. H. TANNER, FRICS, who has retired but is being retained as a consultant. As from May 1, Mr. Dowling is taking into partnership MR. G. D. SYKES, MA, ARIBA, FRICS, and MR. H. F. MORLEY, MA, ARIBA. The style of the firm remains unchanged and the practice will be continued from the present address, Nos. 14/18 Heddon-street, Regent-street, W1 (tel.: Regent 2576/7) and from 'Auster,' Roman-road, Dorking, Surrey (tel.: Dorking 4406).

MESSRS. FLEETWOOD, EVERSDEN & PARTNERS, chartered quantity surveyors, of 40 Doughty-street, WC1, Plymouth, Eastbourne and Ashford (Kent), have, as from March 31, brought into partnership MR. W. H. STOCKWELL, ARICS, AIQS, and MR. B. E. REMMINGTON, ARICS, who have been senior surveyors with the firm for many years.

MESSRS. OSWALD E. PARRATT, chartered quantity surveyors, of Adelaide House, London Bridge, EC4, Swansea and Harlow, have taken into partnership MR. J. S. CLARKE, ARICS, and MR. E. J. A. COLLEY, FRICS. The style of the firm will now be OSWALD E. PARRATT AND PARTNERS.

One Hundred Years Ago

From The Builder of May 5, 1860

THE LATE FIRE IN REDCROSS-STREET, NEAR BARBICAN.—This portion of old London has much to interest the antiquary, for here and in adjoining streets there are vestiges of the old metropolis as it was before the time of the Great Fire of 1666. Nearly opposite the old church of Cripplegate is one of the most picturesque groups of houses now to be found in the City, and of which we have given an engraving. At the end of Red Lion-street, next Barbican, there were on each side some buildings faced with dark-coloured red brick, moulded in cornices, which was much in use about Charles the First's reign. One of these clumps of houses nearest to Smithfield has been destroyed, leaving just enough to show that behind the facing there was work of far greater antiquity.

It is worth noting that the old-fashioned houses, formed of massive timber, resist the action of fire for a much longer time than dwellings of the modern kind. At Bermondsey a fire demolished extensive warehouses and several houses: an ancient wooden house which stood in the midst of the fire escaped with trifling damage. It is only the introduction of party walls which prevents the spread of fires amongst modern buildings to the extent of those of former times.

Competition News

Flats Development, Halesowen

THE ASSESSOR, Mr. Eric Lyons, OBE, FRIBA, MSIA, has made his award in the competition for 250 flats at Highfields as follows:

1st (£1,000): Mary E. L. Granelli, ARIBA, Remo Granelli, DipArch (Birm), ARIBA, and Miall Rhys Davis, ARIBA, 80 Woodland-road, Northfield, Birmingham.

2nd: Andrew Radwan, J. Warren Chalk and Ronald Herron.

3rd: Michael J. Smith, DipArch. (Birm), ARIBA, and Jeremy Goer, Dip Arch.(Birm), ARIBA.

COMMENDED: 1st: Edward H. Hartry, ARIBA, and Roman Halter, Stud.RIBA (Wells, Hickman & Partners); 2nd: David Dry, ARIBA, and Katherina Halasz; 3rd: J. Bruges, F. R. Baden Powell, Robert Ridges.

The winning and premiated designs will be illustrated shortly in 'The Builder.'

Library for Trinity College, Dublin

THE BOARD OF TRINITY COLLEGE, DUBLIN, will make an announcement at the beginning of next month in regard to a proposed international architectural competition for a new library, estimated to cost £500,000. A panel of assessors includes an Italian architect and an American library consultant besides Sir Hugh Casson, Mr. Raymond McGrath and the Earl of Rosse. Applications for conditions should not be made until after an official announcement which will be made in 'The Builder' of June 3.

Coming Events

MONDAY, MAY 9

UNIVERSAL EXHIBITIONS LTD.—International Hardware Trades Fair. Olympia, London (until May 13).

FEDERATION OF PAINTING CONTRACTORS.—Annual meeting. Dorchester Hotel, Park-lane, W1. 2.15 p.m. (preceded by luncheon at 1 p.m.).

TOWN & COUNTRY PLANNING ASSOCIATION.—Symposium on 'The Planners and the Planned.' 28 King-st., WC2. 6.30 p.m.

TUESDAY, MAY 10

LMBA (CENTRAL AREA NO. 3).—Spring luncheon. Stationers' Hall, EC4.

WEDNESDAY, MAY 11

LONDON SOCIETY.—'Bridges in the Landscape,' by Mr. Chattoe. 3 Deans Yard, SW1. 5.30 p.m.

THURSDAY, MAY 12

RIBA.—Library Group meeting: Introduction by Mr. Mark Girouard of library group's Barry collection (commemorating the centenary of the death of Sir Charles Barry). 66 Portland-pl., W1. 6 p.m.

INSTITUTE OF BUILDERS, BIRMINGHAM CENTRE (LICENTIATE DISCUSSION CLUB).—'Insurance and Building,' by Mr. G. Simpson. The Grand Hotel, Birmingham. 7 p.m.

SATURDAY, MAY 14

ARCHITECTURAL ASSOCIATION.—Visit to the Daily Mirror, Holborn Circus, EC1 (drawings on view at the AA from May 9-14). 34/36 Bedford-sq., WC1. 10 a.m. (admission by ticket only).

Retirement

PROFESSOR W. B. EDWARDS, FRIBA, Head of the School of Architecture, King's College, Newcastle-on-Tyne, is to retire in September.

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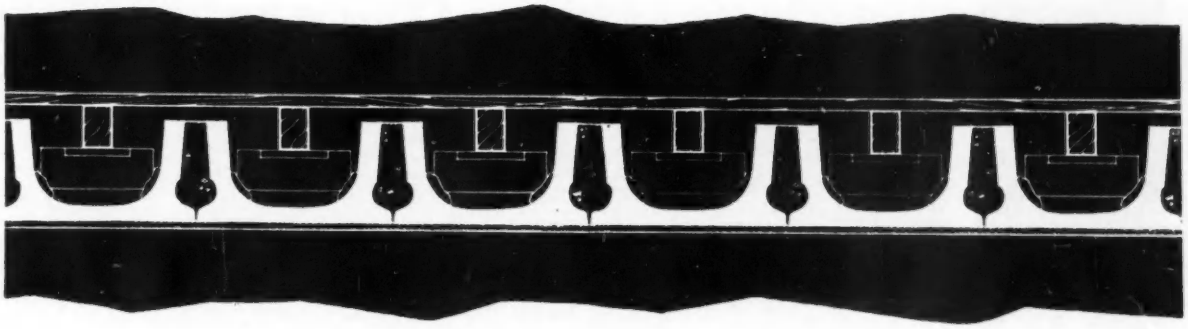

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This floor is ideal for flats, maisonettes, houses and hotels of all sizes. The units are light, simple to handle and form accessible service ducts within the floor. Quick delivery is made to all parts of Great Britain and a fixing service is available.

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as a major addition to the amenities of the Regent's Park Gardens in the Casson plan for rebuilding the Zoo published in March, 1959. Work will begin in the summer.

BTC Office Scheme Rejected

AN APPLICATION by the British Transport Commission to build a shop and office block adjoining Waterloo Station, London, has been refused by the Minister of Housing and Local Government and the Minister of Transport, after a public inquiry, on the ground that it was too big. The building was to have cost £3½m.

The commission's proposal was to build a single block on the site, of 11 to 12 storeys, to be occupied by 830 railway workers and 1,670 employees of private firms.

The letter of decision said the Ministers noted that development already authorised in this part of the South Bank comprehensive development area would give employment to a large number of office workers. While they accepted that the site could also be properly developed by the erection of an office building, they could not agree that any case had been made out to justify exceeding the prescribed plot ratio of 3.5 to one. They would see no objection to a building containing shops and offices on this site which conformed to the prescribed ratio.

Arts Council's New Chairman

LORD COTTESLOE has been appointed chairman of the Arts Council of Great Britain in succession to Sir Kenneth Clark, whose term of office expired on April 30. The appointment is for a period of five years.

Lord Cottesloe, who is chairman of the trustees of the Tate Gallery, was a member of the art panel of the Arts Council.

Ford Factory for Basildon

THE FORD MOTOR CO. announced on Monday that work will start shortly on a 1m. sq. ft. tractor factory at Basildon New Town, Essex. The estimated cost is £10m. This development is part of Ford's £70m. expansion plan.

Appointment

MR. GEOFFREY HOPKINSON, ARIBA, AMTPI, Deputy Chief Architect of Bracknell Development Corporation, has been appointed Borough Architect and Town Planning Officer of Poole.

Farewell to G. C. Lawrence

MR. G. C. LAWRENCE, who for the past 18 years has been responsible for the public relations of the LMBA, was entertained to lunch by the officers of the Association last week. He was presented with a cheque in recognition of his services.

Honorary Degrees

MR. PHILIP GOODING, director of information and assistant secretary of the Cement and Concrete Association, and Mr. William Monkton Matterson, designer and engineer specialising in gear cutting machinery, are to receive the honorary degree of Master of Science of the University of Leeds at a ceremony in the Great Hall of the university on May 19.

Professional Announcements

MR. FRANK RUTTER, FRIBA, has opened an office at 60 Woodbridge-rd., Guildford (telephone, Guildford 60235). The office at No. 2 Finchley-rd. has been closed.

MESSRS. GOTCH & PARTNERS, architects, of London and Brighton, are opening an additional branch office at 29 Richmond Hill, Bournemouth, where they will be pleased to receive trade catalogues and technical literature.

MESSRS. LANCHESTER & LODGE announce that they have taken into partnership MR. M. R. FERGUSON, ARIBA, who has been a senior member of the staff for several years.

MESSRS. J. & C. WHITEHEAD (JOHN AND CAROL WHITEHEAD, A/ARIBA), chartered architects, are now practising from 1 Crown-street, Bury St. Edmunds, Suffolk (tel.: Bury St. Edmunds 647); and 2 New-court, Lincoln's Inn, London, WC2 (tel.: Chancery 2037).

MR. EDWARD T. DOWLING, FRIBA, AADIP, of MESSRS. HENRY TANNER, architects and surveyors, has dissolved partnership with MR. W. H. TANNER, FRICS, who has retired but is being retained as a consultant. As from May 1, Mr. Dowling is taking into partnership MR. G. D. SYKES, MA, ARIBA, FRICS, and MR. H. F. MORLEY, MA, ARIBA. The style of the firm remains unchanged and the practice will be continued from the present address, Nos. 14/18 Heddon-street, Regent-street, W1 (tel.: Regent 2576/7) and from 'Auster,' Roman-road, Dorking, Surrey (tel.: Dorking 4406).

MESSRS. FLEETWOOD, EVERSDEN & PARTNERS, chartered quantity surveyors, of 40 Doughty-street, WC1, Plymouth, Eastbourne and Ashford (Kent), have, as from March 31, brought into partnership MR. W. H. STOCKWELL, ARICS, AIQS, and MR. B. E. REMMINGTON, ARICS, who have been senior surveyors with the firm for many years.

MESSRS. OSWALD E. PARRATT, chartered quantity surveyors, of Adelaide House, London Bridge, EC4, Swansea and Harlow, have taken into partnership MR. J. S. CLARKE, ARICS, and MR. E. J. A. COLLEY, FRICS. The style of the firm will now be OSWALD E. PARRATT AND PARTNERS.

One Hundred Years Ago

From The Builder of May 5, 1860

THE LATE FIRE IN REDCROSS-STREET, NEAR BARBICAN.—This portion of old London has much to interest the antiquary, for here and in adjoining streets there are vestiges of the old metropolis as it was before the time of the Great Fire of 1666. Nearly opposite the old church of Cripplegate is one of the most picturesque groups of houses now to be found in the City, and of which we have given an engraving. At the end of Red Lion-street, next Barbican, there were on each side some buildings faced with dark-coloured red brick, moulded in cornices, which was much in use about Charles the First's reign. One of these clumps of houses nearest to Smithfield has been destroyed, leaving just enough to show that behind the facing there was work of far greater antiquity.

It is worth noting that the old-fashioned houses, formed of massive timber, resist the action of fire for a much longer time than dwellings of the modern kind. At Bermondsey a fire demolished extensive warehouses and several houses: an ancient wooden house which stood in the midst of the fire escaped with trifling damage. It is only the introduction of party walls which prevents the spread of fires amongst modern buildings to the extent of those of former times.

Competition News

Flats Development, Halesowen

THE ASSESSOR, Mr. Eric Lyons, OBE, FRIBA, MSIA, has made his award in the competition for 250 flats at Highfields as follows:

1st (£1,000): Mary E. L. Granelli, ARIBA, Remo Granelli, DipArch (Birm), ARIBA, and Miall Rhys Davis, ARIBA, 80 Woodland-road, Northfield, Birmingham.

2nd: Andrew Radwan, J. Warren Chalk and Ronald Herron.

3rd: Michael J. Smith, DipArch. (Birm), ARIBA, and Jeremy Goer, Dip Arch.(Birm), ARIBA.

COMMENDED: 1st: Edward H. Hartry, ARIBA, and Roman Halter, Stud.RIBA (Wells, Hickman & Partners); 2nd: David Dry, ARIBA, and Katherina Halasz; 3rd: J. Bruges, F. R. Baden Powell, Robert Ridges.

The winning and premiated designs will be illustrated shortly in 'The Builder.'

Library for Trinity College, Dublin

THE BOARD OF TRINITY COLLEGE, DUBLIN, will make an announcement at the beginning of next month in regard to a proposed international architectural competition for a new library, estimated to cost £500,000. A panel of assessors includes an Italian architect and an American library consultant besides Sir Hugh Casson, Mr. Raymond McGrath and the Earl of Rosse. Applications for conditions should not be made until after an official announcement which will be made in 'The Builder' of June 3.

Coming Events

MONDAY, MAY 9

UNIVERSAL EXHIBITIONS LTD.—International Hardware Trades Fair. Olympia, London (until May 13).

FEDERATION OF PAINTING CONTRACTORS.—Annual meeting. Dorchester Hotel, Park-lane, W1. 2.15 p.m. (preceded by luncheon at 1 p.m.).

TOWN & COUNTRY PLANNING ASSOCIATION.—Symposium on 'The Planners and the Planned.' 28 King-st., WC2. 6.30 p.m.

TUESDAY, MAY 10

LMBA (CENTRAL AREA NO. 3).—Spring luncheon. Stationers' Hall, EC4.

WEDNESDAY, MAY 11

LONDON SOCIETY.—'Bridges in the Landscape,' by Mr. Chattoe. 3 Deans Yard, SW1. 5.30 p.m.

THURSDAY, MAY 12

RIBA.—Library Group meeting: Introduction by Mr. Mark Girouard of library group's Barry collection (commemorating the centenary of the death of Sir Charles Barry). 66 Portland-pl., W1. 6 p.m.

INSTITUTE OF BUILDERS, BIRMINGHAM CENTRE (LICENTIATE DISCUSSION CLUB).—'Insurance and Building,' by Mr. G. Simpson. The Grand Hotel, Birmingham. 7 p.m.

SATURDAY, MAY 14

ARCHITECTURAL ASSOCIATION.—Visit to the Daily Mirror, Holborn Circus, EC1 (drawings on view at the AA from May 9-14). 34/36 Bedford-sq., WC1. 10 a.m. (admission by ticket only).

Retirement

PROFESSOR W. B. EDWARDS, FRIBA, Head of the School of Architecture, King's College, Newcastle-on-Tyne, is to retire in September.

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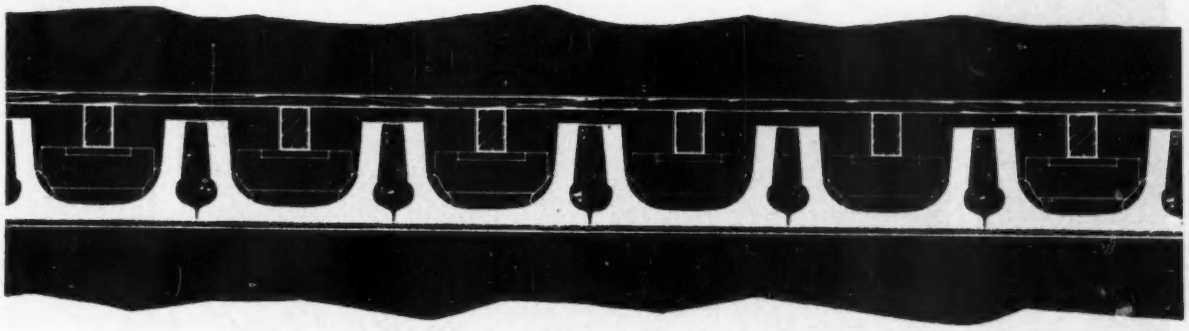

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Obituary

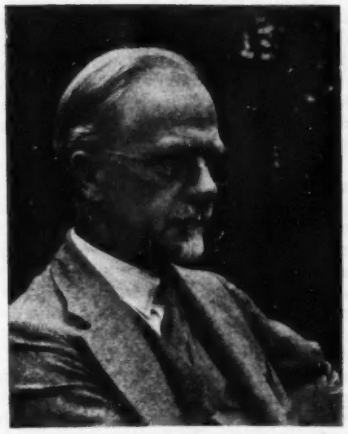
Charles Holden, LittD, FRIBA

THE DEATH TOOK PLACE on May 1 of Dr. Charles Holden, RDI, hon LittD (Manchester), DLitt (London), FRIBA, MTPI, architect of the new London University buildings in Bloomsbury and senior partner in the firm of Adams, Holden & Pearson, of London. He was 85.

Born in Bolton, Charles Holden was educated at Manchester Technical College and Manchester School of Art, being articled to the late E. W. Leeson, of Manchester. He first worked with Jonathan Simpson in Bolton and later joined C. R. Ashbee as assistant, when he studied at the RA school of architecture. After the turn of the century he joined Percy Adams in partnership and, with him, carried out a good deal of hospital work, including The King Edward VII sanatorium at Midhurst. The firm was successful in a number of competitions including those for the Bristol central reference library, the British Medical Association building in the Strand, Southport Homeopathic Hospital, Bristol Royal Infirmary and the Royal Northern Hospital.

Other buildings designed by the firm were the British Hospital, Constantinople; the Institution of Electrical Engineers on Savoy Hill; Queen Elizabeth College, Campden Hill; Sutton Valence School, Kent; Torquay Hospital; the Head Offices for London Transport, St. James's Park; Piccadilly Circus and other stations for London Transport; St. Luke's Hospital, Malta; and a number of war memorials. He was at one time Principal Architect to the War Graves Commission, and designed war cemeteries at Boulogne, Wimereux, Corbin and elsewhere.

Holden's name will perhaps principally be connected with four buildings: the British Medical Association headquarters in Agar-street, Strand, where he employed the young Jacob Epstein to design sculptured figures (which may yet be seen) on the façade. The public storm which greeted their unveiling is one of the sad chapters of British art history; what is important is that this marked a feature of Holden's architectural development from which he never departed—the belief in the interplay of architecture and sculpture. This was also demonstrated in his magnificent design for the Underground headquarters at St. James's Park Station where again Epstein contributed his great sculptures 'Day' and 'Night.' It was said that Holden's loyalty to a sculptor whose merits in the end came to be universally recognised was responsible for the failure of the Royal Academy to take him into membership. Certainly he never became an Academician, and this must rank as one of that august body's shortfallings.



The late Charles Holden, LittD

The Underground building (which gained the London architecture medal in 1929) was Holden's first major essay in the use of the cruciform plan, a plan which he was later to adapt successfully for the new London University buildings which represented Holden at his best. In it he did for architecture what Eric Gill had done, with his Gill sans serif, for typography, stripping away meaningless decoration and relying on subtleties of detail and fenestration allied to a grandeur of planning which makes the building one of London's greatest.

The fourth building—more accurately a group of buildings—were the new Underground stations in which, at Turnham Green and elsewhere, he created a new style of transport architecture which, as one writer at the time said, 'is the greatest contribution to London's street architecture since Wren's City churches.' In this he enjoyed the full collaboration of the late Frank Pick. In his later design, Holden did not always fulfil the promise of his middle period, and English Electric House (a view of which is in this week's issue) has come in for heavy criticism.

Holden achieved a high reputation as a planner, and with Sir William Holford prepared the City of London plan (1944-54). He was planning consultant to the Cities of Canterbury and Tynemouth, to Edinburgh University, and to the LCC for the South Bank. He was a member of the Royal Fine Art Commission, 1933-47, and his professional colleagues paid him the highest honour in their power by nominating him for the Royal Gold Medal in Architecture in 1936.

P. Morton Shand

THE DEATH IS ANNOUNCED at Lyons on April 30 of Mr. Philip Morton Shand, the author of books on food and wine, and translator of Gropius's 'The New Architecture and the Bauhaus'. He also published in 1930 a book on the architecture of 'Modern Theatres and Cinemas'. He was 72.

Societies

Hong Kong Society of Architects

THE FIRST ordinary general meeting of the Hong Kong Society of Architects was held on March 7 and took the form of a joint meeting of the Society and the Building Contractors' Association. The meeting was convened to discuss the formation of a joint consultative body for the building industry in Hong Kong. After opening the conference the president, Mr. Szeto Wai, turned the meeting over to MR. J. R. FIRTH, ARIBA, who formally proposed that it sponsored the formation of the Joint Consultative Committee and that the Public Works Department and the Hong Kong and China branch of the Royal Institution of Chartered Surveyors be asked to participate.

'In the last financial year,' continued Mr. Firth, 'some $250m. was spent in private enterprise building in the colony apart from the vast sums spent by the government and other public bodies. The building industry was thus a substantial part of the economy and it was up to all concerned to improve its efficiency and productivity.' Among the specific problems which the committee would examine, he continued, were education, methods of approximation of estimates, tendering and contract procedure, and standard specification.

The motion was seconded by MR. JOHN POON of the Building Contractors' Association, who recalled the success of the United Kingdom counterpart to the proposed committee.

MR. G. C. DOVEY, ARIBA, wanted to know whether the Joint Consultative Committee would formulate its own proposals.

MR. J. R. FIRTH replied that the Committee would depend on the members for bringing subjects for examination.

PROFESSOR W. G. GREGORY, ARIBA, asked Mr. Poon if the Building Contractors' Association had examined the question of education from its own point of view, whether the present situation was satisfactory and whether they would welcome any additional schemes. He also wished to know whether the Association had taken any steps to ensure the general use of bills of quantities for work above a certain value.

MR. J. POON replied that as members of the Pacific Asia Contractors' Association they took part in the exchange of apprentices. They had sponsored courses at the Technical College for the training of foremen, but most of those trained had found posts with the government! They also had their own training schemes. In answer to the second question he said that no steps had been taken, but that it was a point that should be considered.

MR. A. M. J. WRIGHT, ARIBA, asked why the Public Works Department should be included.

MR. J. R. FIRTH said that as the Ministry of Works was included in the United Kingdom it seemed appropriate to include the equivalent body in Hong Kong; the PWD was in fact in control of building in the colony and was responsible for the administration of building legislation.

Town Planning Joint Examinations

Report on Testimonies of Study

THE EXAMINERS' REPORT on the Testimonies of Study for Part 1 of the Final Examination 1959, which was before the Town Planning Joint Examination Board at its meeting on April 21, has been issued by the Board and is published below.

Special Testimony

The work submitted this year was of a good average level, with fewer attempts than usual by candidates who had not made adequate preparation. On the whole, candidates covered far too much paper with data that had little relevance or needed summarisation and analysis to be useful: few yet realise that one good analysis map may tell a briefer but more penetrating story than several 'standard' surveys. Most reports were heavily overburdened with detail and stilted in language especially when closely modelled on statutory practice.

Overseas work was more mixed than usual in standard: few reports were models of brevity (one weighed over two pounds) while adverse criticism made in previous years about poorly designed road lay-outs continues to be justified.

General Testimonies

(Alternative A — Three drawn exercises): Sewage Works; Village Centre; Industrial Estate.—Fewer candidates are choosing this alternative, but the percentage of successful remained about the same as heretofore. Most candidates gave too little attention to the written reports, and this is causing the examiners much concern. The reports carry a high proportion of the marks which can be won by a good solution. In a short space, they must state clearly the basis for the solution and the assumptions made, and it is important not to waste words on information which is given on the plan.

A few candidates put themselves at a disadvantage by omitting to inspect modern examples of sewage works or industrial estates in the New Towns.

(Alternative B—Essay): New Town.—The essays this year showed a very wide range. In the first place the subject set was a perfectly definite one on a proposal to site a new town requiring 5,000 acres of land in a rural area—what geographical factors should be considered. Yet many candidates chose to deal with topics of their own imagination, such as design and layout of towns, and many matters of planning detail such as housing density, provision of parks.

Some candidates took a purely theoretical approach, and indeed some imagined conditions which could not possibly exist—such as a small island, off the east coast of an imaginary continent! Others envisaged conditions as they may or may not have existed two or three thousand years ago.

The best essays dealt first with general principles, then illustrated these by reference to the existing New Towns in Britain or elsewhere, and finally deduced how far the factors mentioned had been considered. Such an essay demands illustration by maps and diagrams. Some candidates realised this and (a) showed the main factors operating in Britain as a whole (such as relief) and then (b) illustrated from one or two New Town examples the influence of more local factors. Some candidates went further and illustrated the points by carefully chosen photographs.

It cannot be too strongly urged that candidates should consider the form of the question and make quite certain that their essay deals with the topic set by the examiner.

The Institute of Builders

76th Annual General Meeting

AT THE 76TH ANNUAL MEETING of the Institute, held on May 4, Mr. Geoffrey O. Swayne, OBE, retiring president, was re-elected to office. Messrs. J. Gowing Middleton, Harvey G. Frost, P. F. H. Wykeham and D. C. C. Roberts were re-elected unopposed as council members, with Mr. H. S. Oddie, immediate past-president, as treasurer. The meeting, under the new constitution, also elected as ordinary members of council 21 Fellows, 6 Associates and 3 Licentiates. Associates, for the first time in the history of the Institute, had a vote at the annual meeting.

In his speech as President, MR. SWAYNE said that some ten years ago the Institute was under heavy fire for its general inertia. Much of that criticism was deserved, but the critics had forgotten or did not know that, between the two wars, the Institute had virtually founded higher building education as it was known today. 'The Institute,' said the President, 'was urged to put its house in order, to broaden its membership conditions, to end "special case" entry, to modernise its examination syllabuses with a greater accent on management, to publicise its purposes and intentions, to decentralise its activities and to inaugurate a Board of Building Education. In five years it has accomplished most, if not all of these things. . . . Students are flocking to take its examinations and it now remains to be seen whether the Institute receives the recognition and support it was promised and deserves as the pre-eminent professional institution in building.'

Members, added the President, could help towards securing support by taking a live interest in the work of technical colleges and in building education generally and by giving active encouragement to students. Mentions of institute qualifications as desirable, if not essential, in advertisements for staff was one way to give that proof.

The Annual Report

The annual report, presented at the meeting, notes that the year 1959-60 has seen the adoption of the new articles of association and the start of a complete re-organisation of the membership and examination structure. The scheme for the latter is due for publication about August, 1960. Much progress is being made with the formation of branches, and a 'master plan' for the eventual development of branches covering the whole of the UK and the Irish Republic has been prepared.

Membership now stands (April 1, 1960) at 5,486, an increase over the previous year of 1,384. This compares with a membership in 1947 of under 1,400. 89 presented themselves for the Associate diploma examination (20 in 1938) and 749 for the Licentiate diploma (230 in 1938); 86 colleges were offering recognised courses in 1960, as compared with 69 in 1959. The financial year ended with a surplus of £3,243.

City and Guilds of London Institute

Institute's Important Year

THE OUTSTANDING event of 1958 for the City and Guilds of London Institute was the completion and occupation of their new headquarters in Portland-place, W1. This, together with the implementation of the new Statutes and the reconstituted membership were milestones in the history of the Institute and a recognition of the value of its services to industry and to the nation. On May 13 last year HRH The Duke of Edinburgh, in his capacity as president of the Institute, himself underlined the significance of its work when he laid before a representative meeting at Buckingham Palace his proposal for a Commonwealth Technical Training Week in 1961.

The work of the Institute for the year 1958-1959 is set out in the Annual Report now published. The examinations for the period surpassed all previous records; a total of 138 476 candidates were examined of whom 82,735 gained passes. These totals include 17,749 oversease candidates of whom 8,042 achieved successes. Of the 60 candidates for the Insignia Award in Technology 51 were accepted; these included 5 in the constructional field.

The Consultative Committee for Building Subjects has continued its revision of building craft courses and in each of the following subjects a self-contained basic craft course has been approved and promulgated: carpentry and joinery; woodcutting and machinists' work; brickwork; masonry; plasterers' work; plumbers' work; mastic asphalt work; and roof slating, tiling and cement work. The drafting of more advanced courses and syllabuses for full technological certificates and for courses in craft foremanship studies is proceeding.

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Monetary System and the Building Industry

NFBTE Study Group's Views of Radcliffe Report

FOLLOWING the publication of the Report of the Radcliffe Committee on the Working of the Monetary System the National Federation of Building Trades Employers appointed a Study Group to examine and report on the implications of its contents so far as they affect or are likely to affect the building industry. Some extracts from the Study Group's report, copies of which have been sent to the Ministry of Works, the Ministry of Housing and Local Government and the Treasury, are given below.

The Radcliffe Committee was appointed by Treasury Minute dated May 3, 1957, 'to inquire into the working of the monetary system, and to make recommendations.' It reported in August, 1959. It was more concerned with the danger of inflation than with that of mass unemployment.

An undesirable feature of the post-war period has been the considerable fluctuation in the demand for building work—particularly new work—from year to year, brought about by sudden changes in Government policy. The most recent example resulted directly from the Government's policy of credit and capital expenditure restriction starting in 1956.

That the experience of 1956 to 1958 was not an isolated case is shown by Chart A. Here, from 1946, an index of the load of new work is compared with the index of industrial production. The considerable difference in the range of fluctuation shown by the two lines is evident. This difference is even more clearly demonstrated on Chart B, which shows the deviation in each case from a three-year moving average.

On the Radcliffe Committee's reference to building controls the NFBTE pointed out that building controls are far from being simple to administer; during and immediately after the war they called for the employment of a large number of officials, and many of the drawbacks of bureaucratic control were evident. The issue of licences and permits caused delays and uncertainties which were inimical to efficiency and made pre-planning of jobs impossible, as well as creating a wasteful expenditure of clerical manpower in builders' offices. In addition, they fostered a highly undesirable black market in building work.

The NFBTE is also concerned about the Radcliffe Committee's references to building societies. It fears that the linking of mortgage availability and finance closely to Treasury economic policy, as the Committee envisages, could result in itself in unwelcome and sudden changes in the availability of finance for private house-building.

Conclusions

The views of the National Federation of Building Trades Employers are summarised as follows:

(a) The building industry, as a major industry, wishes to make its full contribution to the national economy. But all the experience of recent years shows that marked and sudden changes in the demand for building work caused directly by Government action have harmful effects on building efficiency and productivity, and hence on the cost of building to the community. An all too common fallacy is that building work is like water that can be turned on and off with a tap.

(b) Because of the nature of new building work, there would be considerable gains in efficiency if the industry could see a few years ahead with some degree of certainty, and that the industry should, therefore, be given more adequate warnings of changes in public demand for building works.

(c) An impartial investigation would show that building licensing, mooted by the Radcliffe Committee, and other direct controls over the whole volume of building work, other than those of the crudest type and inadequate in operation, are not easy to establish and administer.

(d) The extension of Treasury control to building societies and the type of control of capital issues recommended by the Radcliffe Committee, could, if our earlier warnings are not heeded, result in more severe fluctuations in the demand for building work.

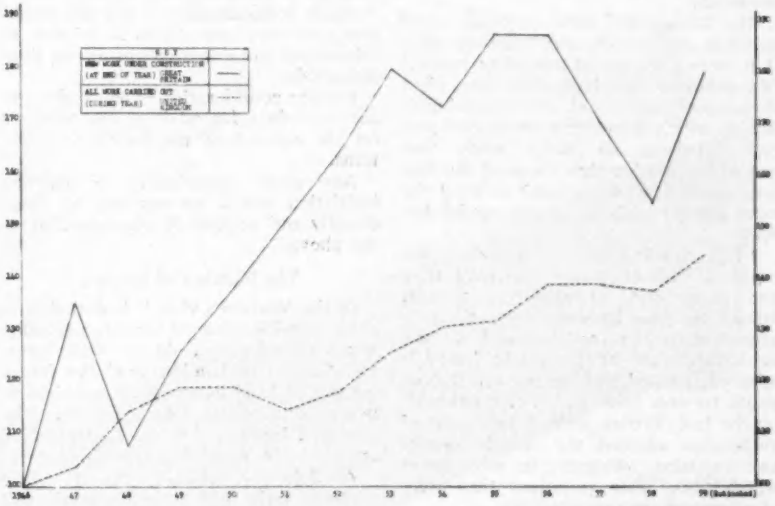


Chart A.—Work under construction and carried out. Indices 1946=100

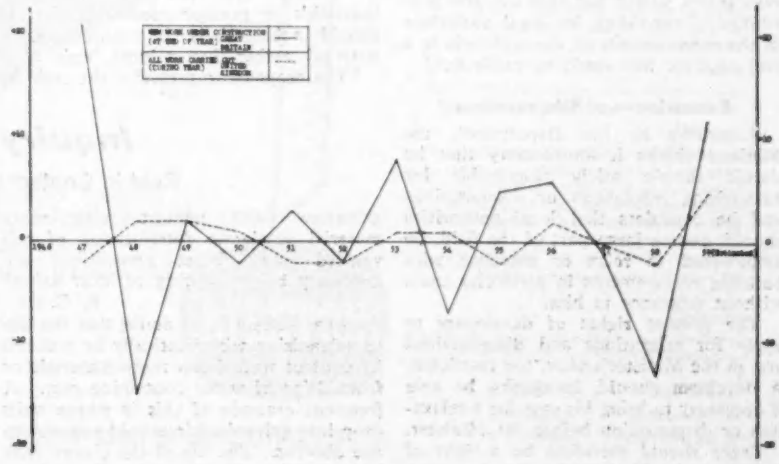


Chart B.—Work under construction and carried out. Deviations from three-year moving average

An End to Building By-Laws?

Minister Seeks Comments on Proposals for Centrally Made Regulations

From a Correspondent

MR. HENRY BROOKE, Minister of Housing and Local Government, has sent to local authority associations a draft, for comment, for a system of centrally made regulations to take the place of the individual sets of building by-laws made, at present, by more than 1,400 borough, urban and rural councils. The associations concerned are the Association of Municipal Corporations, the County Councils' Association, the Urban District Councils' Association and the Rural District Councils' Association.

Announcing this in a letter to these bodies, the Ministry say it is 'increasingly important' for building control to be kept in harmony with developments in building techniques and the use of new materials.

The Department states: 'These could be taken into account much more speedily if it were a matter of amending one set of regulations than is possible now, when the amendment of each authority's building by-laws is involved; a protracted process involving so much work that amendments other than those of the first importance tend to be held up until the next general revision of the model by-laws.

'The substitution of regulations for building by-laws would also save time and manpower. Under the present system building by-laws substantially in accord with the model issued by the department are at ten-yearly intervals adopted, printed and put on sale to the public by over 1,400 authorities, although on the last revision some 70 per cent. of authorities adopted the model without any variation whatever; in most cases where there were variations they were of a very minor character.

'Further, there are self-evident advantages to the public in the building code being set out in one set of regulations instead of in more than 1,400 versions. A system of centrally made regulations would not rule out the possibility of providing for local variations in the requirements of the code where a real case for this could be made out.'

Relaxations and Dispensations

According to the Department, the Minister thinks it unnecessary that he should remain solely responsible for authorising relaxations or dispensations and he considers that local authorities should, over a large part of the field, be empowered to relax or dispense with building requirements in particular cases without reference to him.

The present rights of developers to apply for relaxations and dispensations are, in the Minister's view, too restricted. A developer should, he thinks, be able if necessary to bring his case for a relaxation or dispensation before the Minister.

There should therefore be a right of appeal to the Minister by the developer against the decision of the local authority in respect of applications of the kind which they would be empowered to deal with, and the developer should be able to make application to the Minister in cases where the power to relax or dispense is retained by the Minister. The local authorities would, of course, have a right to make representations in both types of case.

The possibility of the introduction of a *PH (Miscellaneous Provisions) Bill affords an opportunity for the new system to operate in place of the remaking of by-laws due to take place within the next two or three years. The Minister proposes to include provision in this Bill enabling him to make regulations prescribing building requirements and defining the matters in respect of which local authorities should be empowered to relax or dispense with requirements in particular cases. The Bill would also give developers rights in relation to relaxations and dispensations on the lines indicated.

Further consideration is being given to the procedure for advising the Minister on the content of the building regulations.

Any other amendments to existing legislation would be confined to those directly and necessarily consequential on the above.

The Position of London

In the Minister's view it is desirable to defer consideration of the arrangements which should operate in the Administrative County of London until the future pattern of local government organisation in the metropolitan area is known. The proposed legislation would not therefore apply to the Administrative County.

A Ministry official stated: 'The Minister feels that these proposals will result in a system of building regulation better attuned to modern conditions and much more convenient for the building industry and professions and for the public generally than the present system.

'Whatever form the code takes, it is inevitable in present conditions that it should substantially be settled on a national, rather than a local, basis.

'The proposal to prescribe the code in centrally made regulations, with the possibility of some local variations, therefore recognises the realities of the situation as well as having the other advantages mentioned. As will be seen, the local authorities' responsibilities for administering the building code would be increased under the system the Minister has in mind."

The Association of Municipal Corporations, which has been largely concerned at the preliminary stage, made the point last year that, notwithstanding the measure of uniformity achieved through the use of model by-laws, it was still necessary and desirable that there should be a degree of flexibility to enable local authorities to deal with particular matters in the light of local circumstances, traditions, or requirements.

But it recognised that there might be scope for the prescription of national standards in respect of a strictly limited range of matters, including in particular certain structural elements of buildings, and suggested that the precise subjects to be included in this latter category should be settled by discussion between the Ministry and the local authority associations.

An Association official said: 'We adhere to the view which we previously expressed and regret to learn of the Minister's decision; we are seeking to discuss the matter with the Ministry.'

*Our Parliamentary Correspondent writes: It was in December last that Mr. Henry Brooke, Minister of Housing and Local Government, announced in the House of Commons that a Public Health (Miscellaneous Provisions) Bill was to be introduced in Parliament when time permitted. It would apply generally to the country a large number of provisions related to public health which are scattered through private Acts promoted by local authorities in recent years. The Bill is now definitely promised for the next Session which will probably start towards the end of October, 1960.

When giving evidence last year before the Joint Committee on the Promotion of Private Bills, Dame Evelyn Sharp, Permanent Secretary, Ministry of Housing and Local Government, said the Ministry were ready to produce at quite short notice two Bills, one on local government and one on public health, 'picking up a number of well-precedented local Act clauses which seemed to the Ministry to be required throughout the country.'

She pointed out that various points from local Acts did get picked up in public general Bills, as was the case in the Highways Act and the Food and Drugs Act and the Ministry had picked up one or two in the Town and Country Planning Bill.

Inquiry Bureau

Rust in Contact with Galvanised Iron

QUESTION.—Will contact with rusty material accelerate deterioration of galvanised iron? What precautions are necessary before, during or after fixing?

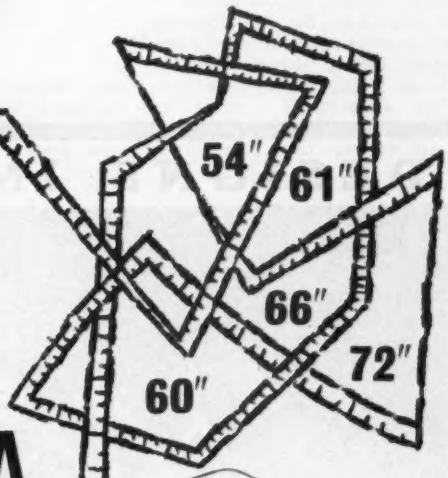
R. G. S.

ANSWER.—There is no doubt that the life of galvanising will drastically be reduced by contact with damp rusty materials or from drips of water containing rust. A frequent example of this is where nails drop into galvanised iron cold water storage cisterns. The life of the cistern may be reduced to 25 per cent or less of the normal expectation.

Coating the galvanising with a bitumen enamel (which should be applied hot) or with a rubber based bitumen emulsion should provide adequate protection. If the galvanising is very new it should first be coated with a mordant solution.

Typical of this process is the use of bitumen to coat cold water storage tanks. When the holes have been cut and all swarf and filings have been removed, the tank is often warmed with a flame and turned over during the painting operation, to ensure even coverage and freedom from puddles of bitumen. Two coats are applied before fixing.

F. J. L.



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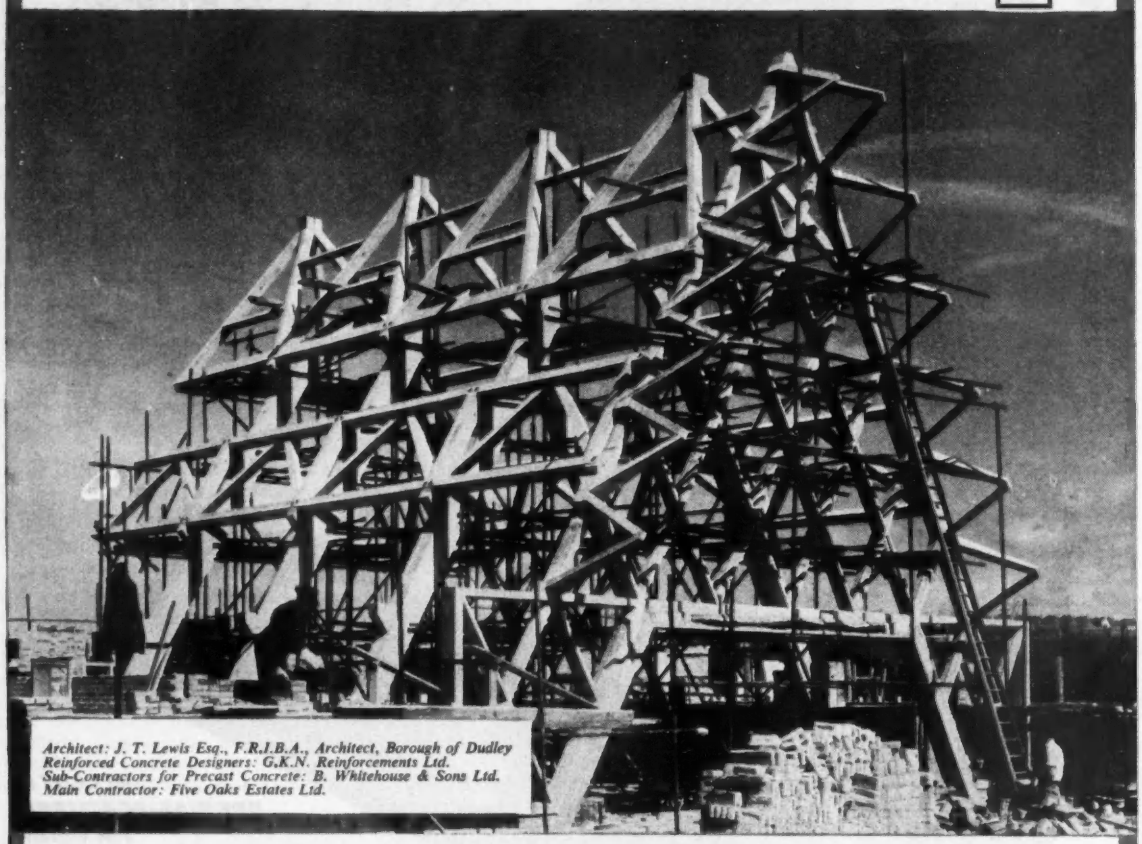

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Large Fires in 1959

Highest-Ever Peacetime Damage

IF THE PATTERN of 1959 is to be followed in 1960 there will be close on three hundred premises where damage by fire will exceed £10,000, states the Fire Protection Association. The question responsible persons will be asking is 'Could it happen to us?' In 1959 a total of £44m. went up in flames. This is the amount of damage accounted for by fire last year. The figure is the highest ever recorded in peacetime Britain. It is a figure almost twice that of 1958 when £24m. was recorded. Nor is there any sign that 1959 was merely an exceptional year. Already in 1960 there have been two fires causing losses unprecedented even in 1959. In one of these fires 19 men of the Fire Service and Salvage Corps lost their lives. Following are details of large fires in 1959:

FIRES IN 1959

Range £	Number	Total £
10,001 to 100,000 ...	249	8,727,000
100,001 to 500,000 ...	38	8,144,000
500,001 to 1,000,000 ...	4	2,870,000
Over 1,000,000	3	8,700,000
Total over £10,000 ...	294	£28,441,000

Every year the Fire Protection Association makes a survey of large fires in order to determine the measures that should be taken to limit the extent of damage by fire. The survey of large fires in 1959 is published in the spring issue of the 'Fire Protection Association Bulletin.'

The chief facts brought out by the survey have been stressed over and over again by the Association and they need constant repetition. A building will not be completely destroyed if properly subdivided into fire-tight compartments which will confine a fire to its place of origin. In the absence of such separation, an unnecessarily large volume of plant or goods may be placed at the mercy of a single fire.

Open-Plan Factories

The growing practice in industry of building large, open-plan, single-storey factories, many of them covering over a million sq. ft. of floor space with no provision of fire separation, gives rise to grave concern. The survey shows that a number of large fires occurred in this type of building during 1959, and with nothing to stop or even hinder the rapid spread of fire millions of pounds worth of damage was done in a relatively short space of time. Manufacturers interested in the advantages gained from the uninterrupted flow of production would be well advised to make some concession to the requirements of fire protection if there is to be any cut in the disastrous fire losses. Even some measure of separation would ensure a certain amount of control over the fire.

Sprinkler Systems

Many of the fires analysed occurred outside normal working hours and had been burning for several hours before discovery. Automatic sprinkler systems are invaluable for the protection of buildings especially during the silent hours. Alternatively, an automatic fire alarm system connected to the nearest fire station is a valuable form of protection.

From the survey it can be seen that the difficulties of fighting fire in built-up areas and the dangers in these areas of fire spreading to surrounding premises hinder the firemen and thereby increase the damage and losses incurred.

The Bulletin is issued to members of the Fire Protection Association, 31/45 Gresham-street, London, EC2. Price to non-members 1s. 6d.

Architect Awarded £50 Against Client

Breach of Contract

A DECREE for £50 was given by Judge Agnew, in a claim at Enniskillen (Northern Ireland) Quarter Sessions on April 26, by William Ivan Lynch, architect, of Shipquay-street, Londonderry, against Joseph Stevenson, Enniskillen, for £75 fees and breach of contract.

LYNCH gave evidence of preparing sketch plans on four separate occasions for a house which Stevenson intended building. On the fourth occasion Stevenson told him he was not proceeding with any further work as he had bought a bungalow.

STEVENSON told the Court that when he asked Lynch what he would charge for the plans, Lynch replied that there would be no charge as they were only sketch plans. He had introduced Lynch to work at Belfast preparing plans for a bungalow for his father-in-law. He had also told Lynch that he would be getting his shop renovated and redesigned, and that he would be building a house as the bungalow which he had bought was only temporary. On account of this Lynch said there would be no charge.

THE JUDGE said he accepted Stevenson's statement that he had procured other work for Lynch, but Lynch was entitled to payment in accordance with the rules of his Association. Lynch had voluntarily agreed to forego payment in view of the work on the shop and the building of the new house, but when this work was not forthcoming he was entitled to claim for the work he had done.

After giving the decree for £50, his Honour said that Stevenson was under no further obligation to Lynch.

Builders' Foremen and Clerks of Works

Provident Institution's New President

THE NEW PRESIDENT of the Provident Institution of Builders' Foremen and Clerks of Works, Mr. F. W. Liller, LIOB, has been a member of the Institution since 1948. He began his career as a carpenter and joiner, and worked with a number of well-known London contractors, progressively from journeyman to foreman, general foreman and clerk of works.

In 1951 Mr. Liller became a part-time evening teacher and in January, 1953, took up a full-time teaching appointment at The Polytechnic, Regent-street, W1, in the School of Architecture, Building and Surveying, where he still continues to teach.

Keenly interested in all aspects of the building industry, he serves on many committees, including the council of the Institute of Builders, and is vice-chairman of the executive committee of the Licentiate Discussion Club.

He has represented the Provident Institution as a council member of the London Regional Council of Builders' Foremen and Clerks of Works for the past 4 years. As chairman of the London Regional Council's sub-committee on Lectures he played an active part with the committee in organising the Foremen and Clerks of Works stand at the last Building Exhibition.

The meeting last month at which Mr. Liller was elected president, also marked the adoption by the Provident Institution of a new rule structure, and in his opening address Mr. Liller paid tribute to Mr. H. J. Bull, the retiring president and also to the 'New Rule' Committee.

WD Schedule for Works Services

Revised Addendum 'A'

REVISED adjustment percentages to trade sections of the War Department Schedule of Prices for Works Services (1948) applicable to War Department Term Contracts (other than Term Contracts for Painting and Decorating Services), also Measurement Contracts, and effective from April 18, 1960, are as follows:

Section	Trade	Per cent. addition
1	Excavator	171
2	Concreter	130
3	Bricklayer	127
4	Asphalter	71
5	Drainlayer	101
6	Mason	124
7	Pavior and Roadmaker...	82
8	Roofer	108
9	Asbestos Cement Goods	106
10	Carpenter and Joiner ...	105
11	Ironmonger	98
12	Ironfounder, Smith and Structural Engineer ...	150
13	Gasfitter	134
14	Plasterer, Floor and Wall Tiler	121
15	Plumber	114
16	Electrician	105
17	Glazier	132
18	Painter and Decorator...	131
19	Hutting	82

The Week in Parliament

From Our Own Correspondent

Government Policy on Direct Labour

SIR KEITH JOSEPH, Parliamentary Secretary to the Ministry of Housing and Local Government rejected, on April 26, the day Parliament resumed after the Easter recess, a request for the Minister to take powers to place municipal direct works departments in a comparable position to private building firms by allowing them to prepare annual profit and loss accounts, without having to make a profit on each individual contract.

Said MR. FRANK ALLAUN, his questioner. —'If to retain their working forces and cover overheads, private firms may occasionally accept a contract at under cost, then why not direct works departments? Will the Minister therefore reconsider his recent circular on tendering which prevents such departments applying the surplus or profit on one contract to another?'

SIR KEITH JOSEPH.—'A direct works department does not sink or swim on the basis of its quotation in the same way as a private builder does, and to weaken still further the link between market value, quotation and cost would not in the Minister's view encourage efficiency.'

MR. PETER EMERY said that 25 per cent. of the local authorities who had used direct labour forces for housebuilding since 1951 had now given them up. There were Opposition cries of 'Rubbish' and dissent when he asked the Minister to consider giving the strongest warning to local authorities that 'direct labour forces usually cost the ratepayers large sums of money.'

When SIR KEITH made no reply to this observation, MR. MICHAEL STEWART, the Opposition's housing spokesman, said that if comparisons like that by Mr. Emery were to be made and the question at issue was the cost to the ratepayers, surely it was desirable that the two concerns—the works department and the private firm—should be able to work on equal terms. Why would not the Minister give an affirmative reply to Mr. Allaun's question?

SIR KEITH said he had tried to explain that the quotation of a direct works department and the quotation of a private builder were not on all fours. It was for this reason that the Minister had tried to establish the link between the market value, the quotation and the cost.

Investment in Building

A DEBATE on capital investment in industry on April 26 mainly dealt with new plant and machinery to improve productivity, but it enabled MR. ROY JENKINS, for the Opposition, to comment that it was generally true that the amount of what one might call property investment in Britain was probably greater than they desired from the point of view of balance—even in this country. But to go in for large-scale property investment in New York, on which British capital was now being used on quite a large scale, seemed to be going a little too far.

When there was a great shortage of capital for domestic production investment in Britain and when there was a greater shortage of capital for helping under-developed areas, was it the best use of British capital to finance the building of a very large skyscraper on top of Grand Central Station? Unless Manhattan was regarded as an under-developed area, this was an example of British capital certainly not being used in the best way.

MR. REGINALD MAUDLING, President of the Board of Trade, said that surely it was very good use of United Kingdom resources if they could use British know-how in property business, which was considerable. Unless they earned a return on overseas investments they would not have a surplus out of which to provide for aid for the under-developed countries.

Housing Densities in London

THERE was another full day debate on housing in the House of Commons on May 2, but as a prelude MR. COMPTON CARR raised in an adjournment debate on April 26 the housing situation in Fulham and Hammersmith. During this he commented he was behind anyone who wanted to clear offices out of the dead centre of London and the West End. He wished people would now start to look at the periphery. This would help the housing situation in central London.

Yet in Hammersmith and Fulham these buildings were still going up. There was one 30 storeys high on the Fulham side and others round Hammersmith Broadway. It was not right to pull down habitable houses to build offices, and that sites completely open for redevelopment should be used for this type of building. He was sure they had to increase densities until they bore some relation to the facts and to the actual numbers of people living in areas. He wished they could have some genuine move towards building upwards in London.

SIR KEITH JOSEPH, Parliamentary Secretary, Ministry of Housing and Local Government, said the question of densities would be constantly in the minds of all concerned with housing. They flowed in London from the LCC Development Plan. The LCC five-yearly review which was before the Minister, increased densities in certain parts of London although not in Fulham and Hammersmith. An increase in densities seldom produced a dramatic effect because the more people in any area the more provision there must be for schools and open places.

Every effort was being made to reduce the number of offices and works in central London. The Ministry and LCC were constantly trying to steer industry and offices to the periphery. Every site was considered on its merits with an incentive towards moving offices to areas which were not much troubled with offices already. This year Fulham was building about 350 houses and Hammersmith 83.

Other Business

New Vista of the Abbey

LORD JOHN HOPE, Minister of Works, announced in the House of Commons on April 26, that it was proposed to preserve the Abingdon-street site as an open space, thus opening up a splendid new vista of Westminster Abbey, the Jewel Tower and the Palace of Westminster. SIR HAMILTON KERR said the announcement would be greeted with relief and satisfaction.

Restoration at Avebury

Asked what plans he had for undertaking the restoration and preservation of the prehistoric Stone Circle and avenue at Avebury, LORD JOHN HOPE, Minister of Works, said in the House of Commons on April 26 that on the advice of the Ancient Monuments Board for England, a limited excavation to investigate the North Setting and its relationship to the Circle would be carried out this summer. When its results were known he would consult the Ancient Monuments Board about further operations.

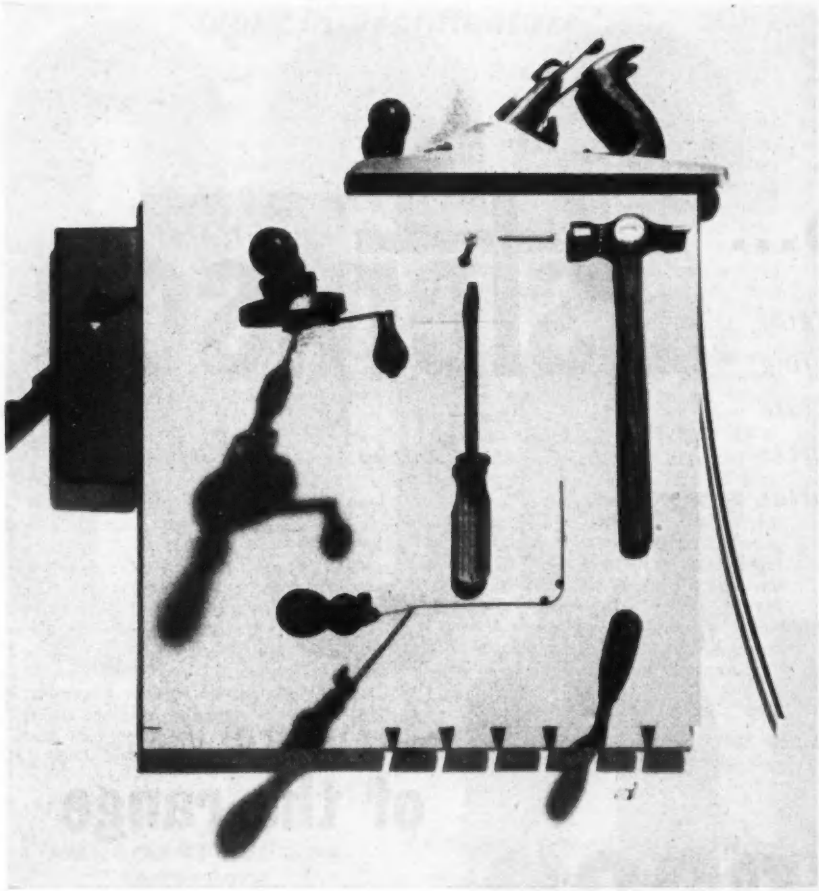
Accidents in Excavations

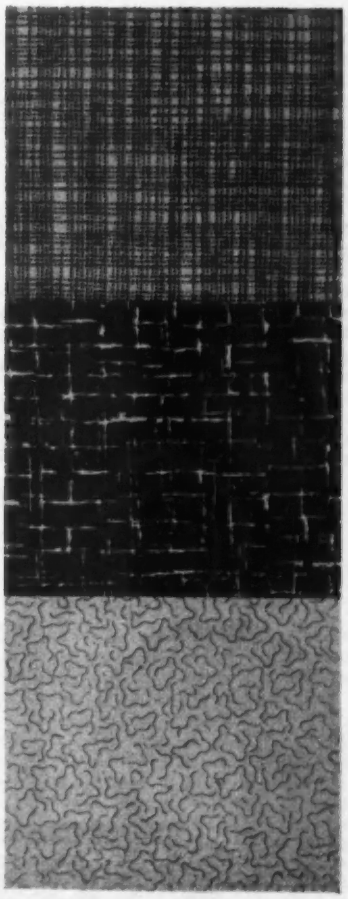
MR. MANUEL asked the Minister of Labour, on April 26, how many accidents had occurred from 1949 to 1959 owing to the cave-in of trenches being excavated for the provision of sewer and other services; and how many of these accidents were fatal.

MR. PETER THOMAS, Parliamentary Secretary.—'Comprehensive statistics of accidents resulting from the collapse of excavations are only available from 1954. From that year to 1959 inclusive, 842 such accidents were reported, of which 80 were fatal. These figures relate to all excavations and separate figures are not available for sewers and other services.'

MR. MANUEL asked if Mr. Thomas thought this was an alarming state of affairs. 'Is there any safety legislation of a protective nature which will ensure that these cave-ins do not take place, or does he think there is need for some steel protection, such as a shield, to stop the tragic loss of life and the large number of accidents?'

MR. THOMAS said the number he had given was a very small proportion of the 17,000 accidents which took place each year on construction sites, but he agreed with Mr. Manuel that every effort should be made to prevent these accidents. It was intended that the safety provisions of the building regulations which referred to excavations on building sites would be extended to cover works of engineering construction. Preliminary draft regulations were sent out to interested organisations on March 31 for their comments. Before these regulations could finally be made there would be full consultation and a statutory draft would have to be issued.





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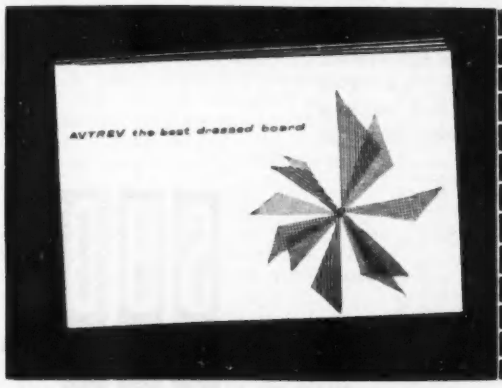

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'Light in Architecture'

Opening of a New Era in Design

A PAPER on 'Light in Architecture' was given by MR. JOHN REID, FRIBA, FSIA, FIES, at a conference for architects on lighting organised by, and held in the lecture theatre of, the Yorkshire Regional Office of the British Lighting Council, at Leeds, on March 31.

Mr. Reid said that all architecture reflected the social conditions of the time when it was built. It was in the Baroque era that we saw the beginnings of a style of architecture which owed its inspiration to the use of artificial light. The gilt cornices and white-painted panels were created to reflect the dancing flames of candles, and a Baroque interior illuminated only by candles was an incredible sight.

He continued: We now have fluorescent lamps and incandescent lamps of all shapes and sizes, and we have methods of controlling these lamps, of dimming them, of controlling their light output, and the colour of the light so that we can create divisions of space by light alone. There was an auditorium in the Triennale in Milan, for example, which was created entirely by the use of light, lighting fittings hanging low forming, when they were on, the ceiling of an auditorium within a larger space.

Artificial light sources are now so good that they are in many cases challenging daylight. For example, in a department store with wide floor areas, the amount of external window space obtainable is relatively small and obviously natural lighting alone is out of the question. In such circumstances it may well be best to exclude daylight altogether and rely on a completely artificially lit interior. This does not hold true for all buildings, but it does definitely hold true for some and it means that completely windowless buildings will be a feature of future development.

A good example of this is the 130 ft. high building at Hanover, designed for exhibition purposes, which has no windows at all apart from those on the mezzanine which light the restaurant. The result is completely unlike any conventional building, even any conventional modern building, and this is, to me, an extremely interesting development because it shows a new form of architecture arising directly out of the possibilities of present-day light sources.

An Answer to Advertising

We must not overlook the needs of advertising today, although so far this has been largely treated in a very haphazard and unplanned way. This does not mean that there is a need for strict regimentation in this sort of this, but how much more effective a use could be made of illuminated advertisements, how much gayer our cities, our city centres—particularly at night time—if we set about providing an absolutely first-class architectural answer to the problem.

The artificial light sources of the past have played a very great part in creating the architectural form of those interiors. If so much could be done in the past with the light from the humble candle, what a responsibility we have when you think of all the light sources, all the techniques, and all the knowledge that is available to us today. It is an awe-inspiring thought just how far we have to go, and an altogether inspiring one to me to be present at the beginning of what is no less than a completely new era in architecture.

Institute of Building Surveyors

London and Home Counties Area

A PLEA for cheaper houses was made by MR. HUGH REES, MP, FRICS, when he proposed the toast of the Institute of Building Surveyors at the annual dinner of the London and Home Counties Area, held at the Piccadilly Hotel, W1, on April 14. The area president, Mr. S. A. Engel, was in the chair. 'The building surveyor,' said Mr. Rees, 'can play an important part in reducing the cost of housing so that more can be built within the range of the lower-paid workers.'

High Cost of Land

Taking up this plea, MR. D. WOOD, junior vice-president, proposing the toast of the London Area, said that one of the chief reasons for the high price of houses today was the very excessive cost of land. 'In Birmingham,' he continued, 'building land is as much as £10,000 per acre and more.' Mr. Wood thought that the Government ought to do something to stop the ever-increasing cost of land, since they were the only body who could do so.

Responding for the London Area, MR. ENGEL thanked the previous speaker for his kind remarks and members of other institutes and professions for their active support.

Other speakers included MR. JOHN GILBERT, the national president, and MR. G. SANDERS, FBLDG.SI, and MR. A. C. LAYFIELD, ARIBA, responded for the guests.

Loans to Local Authorities

Over £116m. Sanctioned in First Quarter, 1960

THERE WAS an increase of over £23m. in the amount of loans sanctioned by the Minister of Housing and Local Government to local authorities in England and Wales during the quarter ended March 31.

	£	£
Housing (land, dwellings, roads, sewers, etc.) ...	66,718,599	
Advances and grants under Housing and SDA Acts	21,578,827	88,297,426
Town and country planning	2,280,031	2,280,031
Sewerage and sewage disposal	10,021,265	
Water supplies	8,935,205	18,956,470
Burial grounds and cemeteries	83,815	
Coast protection ...	68,600	
Crematoria	320,176	
General depots	346,997	
General markets... ...	497,802	
Land for the benefit, etc., of the district	477,013	
Physical training and recreation	480,662	
Private street works ...	547,203	
Privy conversion ...	42,742	
Public baths and washhouses	721,869	
Public conveniences ...	133,499	
Public libraries and museums	267,140	
Public walks and pleasure grounds	815,304	
Refuse collection and disposal	251,061	
Street cleansing	10,733	
Town halls and offices...	1,111,022	
Miscellaneous	1,125,290	7,300,928
		116,834,855

Federation of Painting Contractors

Labour Shortage Foreseen

A WARNING to its members that a severe shortage of good labour can be expected as building work reaches its peak this year is given by the Federation of Painting Contractors in its 19th annual report, circulated prior to the annual general meeting, to be held at the Dorchester Hotel, W1, on May 9.

Says the report: 'As already prophesied in many official quarters, the building industry will probably reach an operational peak as the year unfolds. A position therefore is likely to arise in which an acute shortage of labour in most of the specialist trades making up its entirety will be experienced; reports being already to hand that good painter labour is extremely scarce.

'Although a shortage in the summer months of experienced operatives has been a difficulty with which painting contractors have often had to contend, the Council foresee that, with the impact of the large volume of new work envisaged, coupled with the larger expendable funds available to industrialists and clients alike through the greatly improved economic situation and the reliefs it affords, the painting trade can look forward to a year of still greater activity which may well exceed, because of the separate weight of maintenance work, that expected by the building industry itself. Again, the position will probably become more intensified in the south and members are advised to keep this likelihood well in mind when assessing their commitments due for fulfilment before the autumn is out.'

Mastic Asphalt on Asbestos Decking

THE Natural Asphalte Mine-Owners and Manufacturers Council has issued a technical information sheet, No. 4/60, featuring mastic asphalt on typical asbestos decking. Diagrams show two typical finishes to eaves. Copies may be obtained from the Council at 14 Howick-place, Victoria-street, London, SW1.

Building in the City

Open Space Proposed for Gresham Street

WORK on the construction of an open space on land in Gresham-street, between Noble-street and Staining-lane, is to start, it was stated at the Court of Common Council at the Guildhall on April 28. The improvements and town planning committee reported that the open space, which is to be constructed by the Worshipful Company of Goldsmiths, is in accordance with an agreement between the Company and the Corporation.

The space included part of the disused burial ground of St. John Zachary, and the Corporation undertook to carry out protective works on the burial ground to make it safe, before the main work began. A recommendation that Mowlem (Civil Engineering) Ltd. be authorised to carry out the protective works at an estimated cost of £850 was approved.

An application under the London Building Act for the rebuilding of 167-170 Fleet-street, Red Lion Court and Johnson's Court was approved subject to improvement and/or building lines being set out and agreed upon the site (R. Seifert and Partners, 28, Great Ormond-street, WC1).

Arrangements to secure the redevelopment of 26-31 Bevis Marks and 56-60 St. Mary Axe, together with 8 and 9 Goring-street, were approved. The Venture Property and Development Co. Ltd. were given permission to arrange for the purchase by the Corporation of the freehold of No. 8 Goring-street for £17,500, the rest of the property being part of the City's Estate. A building agreement was granted to Yorkwin Investments Ltd. The existing buildings are to be demolished and a new office building erected by March 25, 1962.

Permission for the installation of a new shop front at No. 1 Tower Chambers, 66 to 74 Moorgate, was given on certain conditions, one of which was that details and sample of mosaic had to be submitted and approved by the Corporation. (R. E. Enthoven, FRIBA, 4 Raymond Buildings, Grays Inn, WC1.)

Car Parking Standards

Opposition has been made by the Corporation to a car parking condition in office development to be made on a site at the south-west corner of the junction of London Wall and Wood-street. It was reported that an outline planning permission for the development had been received by the Corporation from the LCC. The property was to be sold by the Corporation to the Postmaster-General 'for post office purposes.' The planning permission was subject to a condition requiring car parking on the basis of one car space to every 2,000 sq. ft. of gross floor space.

The committee's action in lodging an appeal with the Minister of Housing and Local Government against this condition was approved. The Corporation, the committee stated, was not in agreement with the proposed increase of the car parking standard, which was one car space to 2,500 sq. ft. of gross floor space.

The Minister had been requested to defer his consideration of the appeal until negotiations between himself, the LCC, and the Corporation had been concluded on the question of car parking standards generally.

A tender of £13,034 16s. 8d. for the lay-out of the City of London Cemetery extension by Mowlem (Civil Engineering) Ltd. was accepted.

Slum Clearance

The Redevelopment of Decayed Areas

IT HAS BEEN ESTIMATED that there are some 847,100 unfit houses in England and Wales; if they were cleared in ten years an annual expenditure of £70m. and a loss of £40m. could be expected. MR. H. F. ALSTON, ARICS, MTPI, town planning officer, Kingston-upon-Hull, quoted these figures in his paper on the 'Redevelopment of Decayed Areas' given to the Royal Institution of Chartered Surveyors on May 2.

'Land uses,' said Mr. Alston, 'are becoming intermixed in an undesirable way and large areas are taking upon themselves an appearance of decay and decadence. Main roads no longer adequately fulfil their function, and something must be done to protect the public from the "law of the jungle" which exists on roads today.' The speaker continued:

'Incompatible land uses must be removed, street patterns altered to ensure road safety, and obsolete buildings renewed. The harmful effects of social upheaval caused by moving large numbers of people long distances to new homes, new places of work and new social surroundings must be avoided.

'All these problems have been experienced in redeveloping 150 acres in Kingston-upon-Hull. These possess most of the vices which are to be expected in a decayed area: some of the property is war-damaged, of the remainder the great proportion is obsolete and that which is capable of improvement is either isolated or situated in small groups. The general layout is bad, the road framework unsatisfactory, there is a deficiency of open space, school sites do not conform with the Ministry of Education Regulations as to size, and unsuitable industries are intermixed with the properties.

'There was no doubt that the predominant use of this area should be residential. A layout was therefore prepared to redevelop this area as a complete residential unit. Basic principles were that all fast and heavy through-traffic would be excluded, access to peripheral main roads restricted, industry and commerce excluded, neighbourhood facilities grouped together, and new residential development should conform to proper requirements as to light, air and density.'

In conclusion, Mr. Alston said that the difficulties of private enterprise redevelopment, as opposed to public authority redevelopment, were immense. Local authorities could, in some circumstances, receive grants and housing subsidies which were not available to the private redeveloper. They could also benefit financially when clearance or unfitness orders would be made for acquisition of properties. Where there were several owners, acquisition was virtually impossible without compulsory powers.

Protection of Structural Steelwork

Fire Resistance of Beams and Columns

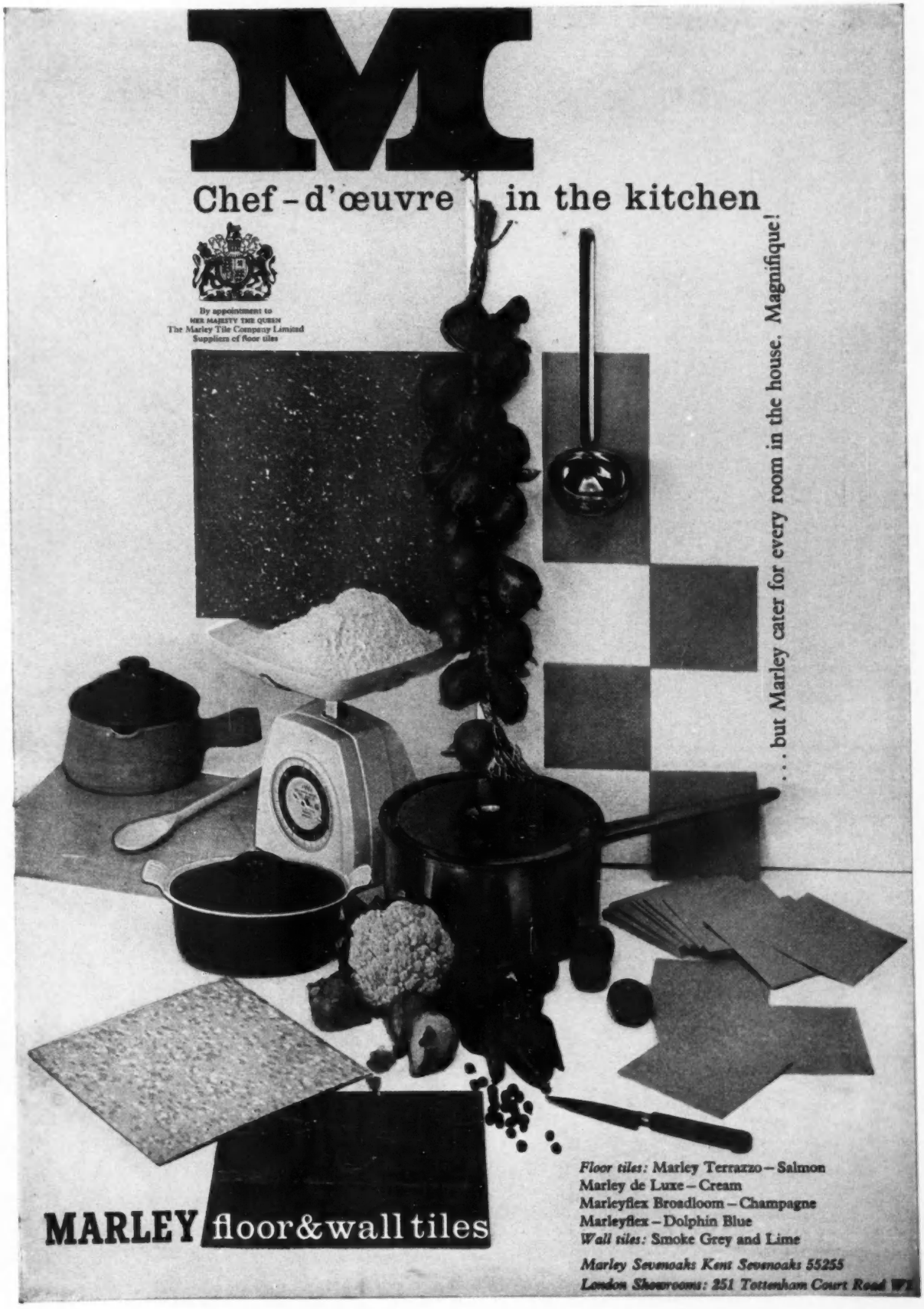
WHEN THE TEMPERATURE of structural steelwork is raised above 550°C failure may occur. When it is considered that a fire can reach a temperature of 600°C within a few minutes it becomes a very serious matter if unprotected structural steelwork is exposed to it. To prevent widespread damage in this respect it is now common practice to protect steel columns and beams by fire-resisting encasement. The object is to provide thermal insulation to the steelwork by means of a medium which will remain in place during a fire and thereby enable structural members to achieve the fire-resistance appropriate to the building.

The means and materials for achieving such results are discussed in a new FPA technical information sheet, 'Protection of Structural Steelwork (No. 4007).' Practical examples of the way in which steel columns and beams may be protected by fire-resisting encasement are illustrated in a series of drawings. Copies may be obtained from the Fire Protection Association at 31/45 Gresham-street, London, EC2.

Codes of Practice

The Reception of Sound and Television Broadcasting CP 327. 201: 1960

THIS REVISED code, price 12s. 6d., incorporates developments in sound and television broadcasting since 1951, when the publication was first issued under the title 'Broadcast reception, sound and television by radio.' As with the previous edition, the code has been designed for guidance on the installation of receiving systems in all classes of building; it relates primarily to new buildings but most of its recommendations are equally applicable to existing premises. The provision of structural accommodation for equipment, and of power supplies and wiring, is dealt with.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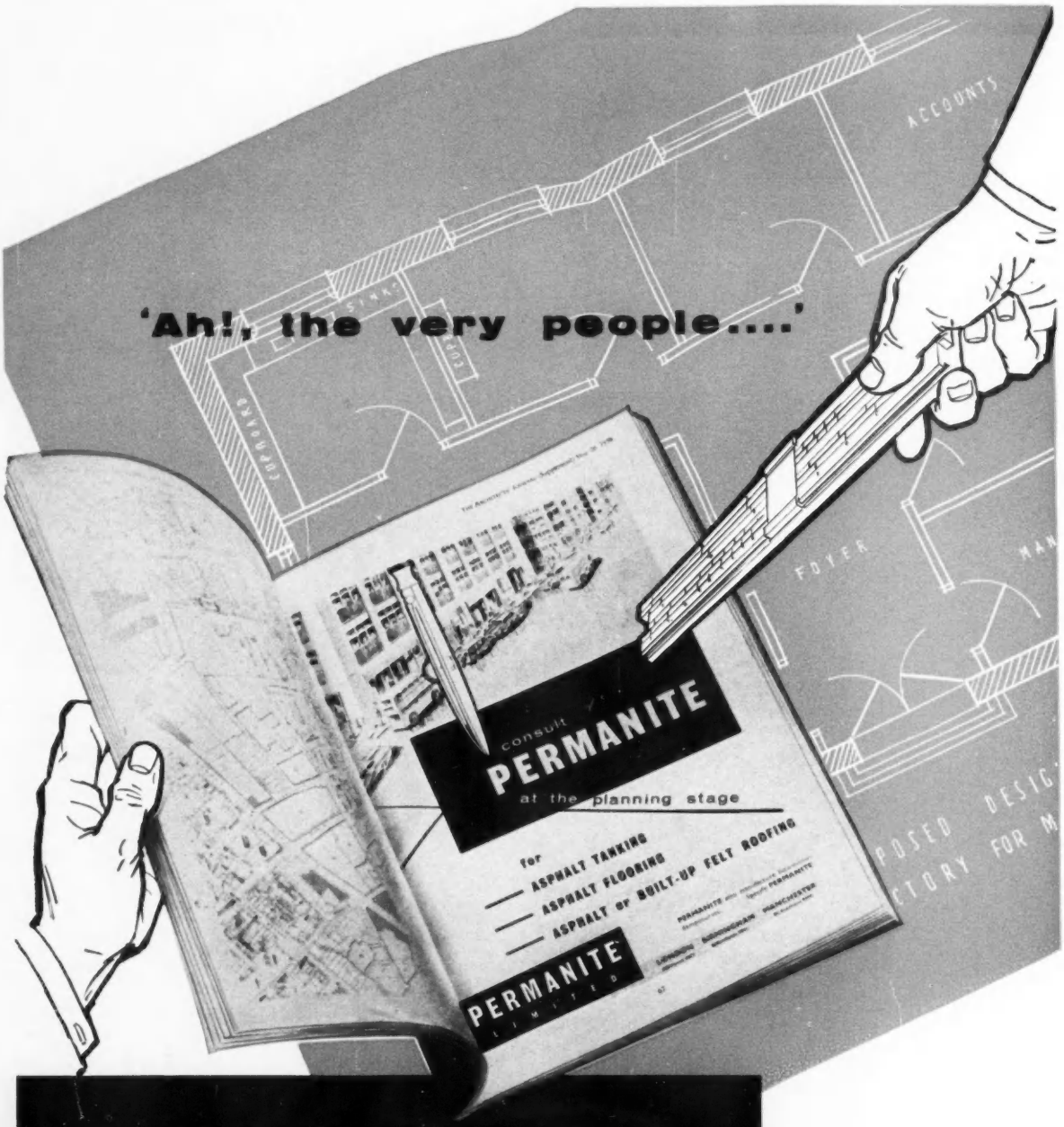

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THE BUILDER LONDON MEASURED RATES

These prices for new building work in London normally appear in the first issue of each month only. The prices are inclusive of all allowances for National Insurance, Holidays with Pay and Public Holidays, Third Party Risk, Travelling Allowances and Guaranteed Week. They cover a profit of 10 per cent on the prime cost without any addition for establishment charges.

These rates do not include for Foremen and other preliminary items, such as office, sheds, plant and scaffolding, etc., and these must be added accordingly.

The basic cost of the labour and materials used in arriving at the rates has been derived from the 'Current Prices of Materials' published in *The Builder*.

The data given are copyright. While every endeavour is made to ensure accuracy, we do not hold ourselves responsible for any error that may occur.—EDITOR.

EXCAVATOR

All hand labour	*Per yd. cube*				
	Loose earth	*Firm soil*	*Stiff clay*	*Chalk and flints*	*Rock, etc., no blasting*
	s. d.	s. d.	s. d.	s. d.	s. d.
Surface excavation to shallow depths	8 3	10 3	11 9	17 10	46 0
Bulk do. or large trenches, etc., not exceeding 5 ft. deep ...	7 6	9 4	10 9	15 10	42 0
Trenches do. under 4 ft. 6 in. wide and do.	10 0	12 1	14 0	20 8	55 0
Pier holes and similar under 6 ft. square and do.	11 3	13 10	16 2	23 9	61 6
Additional throw for every 5 ft.:					
Bulk excavation	3 9	3 9	5 5	5 5	6 2
Trench ,, ...	5 0	5 0	6 8	6 8	7 8
Pier ,, ...	5 7	5 7	7 6	7 6	8 6
Return, fill and ram	5 2	5 2	6 8	6 8	8 2
Wheeling surplus n.e. 100 yds. run and depositing	7 2	8 0	8 0	8 0	9 0
Underpinning in trenches ...	13 4	18 6	21 6	30 9	—

		s. d.
Loading lorries and transporting to tip	Yd. cube	16 5
Basketing out and depositing	,,	10 0
Planking and strutting to sides of surface or basement trenches :		
Depth up to 5 ft.	Ft. sup.	6
,, ,, 10 ft.	,,	8
,, ,, 15 ft.	,,	9
Hardcore :		
Filled-in layers and consolidated	Yd. cube	22 3
do. 4 in. thick	Yd. sup.	3 3
do. 6 in. thick	,,	4 4

CONCRETER

	Basic yard cube rates			
	1 : 12	1:3:6	1:2:4	1:1½:3
Aggregate	1½ in. all-in	1½ in.	¾ in.	½ in.
Concrete in normal foundations : (minimum 6-ton cement loads)—	s. d.	s. d.	s. d.	s. d.
Portland cement standard specification	66 3	74 1	81 1	85 1
Portland cement rapid hardening...	67 6	75 11	83 7	88 5
Water-repellent cement	70 3	79 10	89 4	95 7

		s. d.
Add to above basis for :		
4 in. surface beds	Yd. sup.	7½
6 in. ,, ,, ...	,,	8½
(If above two items worked around mesh reinforcement, add 5d. per yd. *super.*)		
Foundations in underpinning in short lengths... ...	Yd. cube	16 4
Beds and flaunchings to drains	,,	8 2
Pier or stanchion foundations—small	,,	4 1
Sundry small items not exceeding 3 ft. cube in plinths, curbs, padstones, etc.	,,	21 6

REINFORCED CONCRETE

ADD to above 'Basic Yard Cube Rates'

		s. d.
Reinforced concrete including working around reinforcement between formwork and hoisting to normal levels :		
Foundations and similar	Yd. cube	5 5
Isolated stanchion or pier bases	,,	6 5
Walls not exceeding 6 in. thick	,,	26 8
,, ,, ,, 12 in. ,, ...	,,	18 8
Suspended floors or flat roofs 4½ in. thick	Yd. cube	21 6
,, ,, ,, ,, 6 in. ,, ...	,,	17 5
,, ,, ,, ,, 9 in. ,, ...	,,	14 10
(Beams attached to floors or flats, *add* 6/8 yd. cube)		
Isolated beams or lintels average 72 sectional inches ...	,,	32 3
Do. average 144 sectional inches	,,	24 1
Columns or stanchions average 72 sectional inches	,,	37 8
,, ,, ,, ,, 144 ,, ,,	,,	29 5
Staircases and landings, etc.	,,	56 1
Shell roofs average 3 in. thick, including labour forming curved surface	,,	133 3
Hollow tile floors :		
Hollow clay tiles 4 in. thick with 1 : 2 : 4 concrete ribs at 14 in. centres with filler tiles and 1½ in. fine concrete screed (excluding reinforcement and form work)	Yd. sup.	19 2
All as above but 6 in. thick clay tiles	,,	23 2
,, ,, ,, ,, 9 in. ,, ,, ,, ...	,,	32 3
Sundry items :		
2 in. concrete (1 : 2 : 4) blinding bed	Yd. sup.	5 0
Spade finish to concrete beds	,,	10
Trowel ,, ,, ,, ...	,,	1 10
Laying to falls and currents	,,	1 0
Hacking concrete by hand	,,	2 8
Hacking concrete by use of proprietary liquids ...	,,	1 7
Damp-proof membrane in three coats with sanded key	,,	4 10
⅜ in. Bitumen expansion joints 4 in. deep in floors ...	Yd. run	3 11

	Mild steel rods (round) cut, bent, hooked, wired and fixed complete (Ex. London Stock)			
	¼ in.	⅜ in.	½ in.	⅝ to 1 in.
Reinforcement :	s. d.	s. d.	s. d.	s. d.
Floors beams laid in only ...	88 6	79 4	73 8	70 3
,, ,, ,, wired into frames	100 7	90 0	85 10	80 3
Walls wired into frames	100 7	90 0	85 10	80 3
Columns wired into frames ...	100 7	90 0	85 10	80 3
Staircases wired into frames ...	102 11	92 4	88 2	82 7

		s. d.
Steel mesh fabric reinforcement :		
Laid in floors including laps and straight cutting and wiring, etc. :		
Weight 3·94 lb. per yd. sup.	Yd. sup.	4 3
,, 4·71 lb. ,, ,, ,, ...	,,	4 6
,, 9·32 lb. ,, ,, ,, ...	,,	8 4
Raking cutting worth 6 in. material cost per ft. run		
Circular cutting worth 9 in. material cost per ft. run.		
Formwork (Sawn) including strutting, easing and removal and average four times use of timber :		
Soffit of floors and flat roofs	Yd. sup.	16 9
Sloping soffits of stairs	,,	22 10
Barrel-vault soffits of floors and roofs	,,	21 4
Vertical sides of walls	,,	16 0
Battering sides of walls	,,	20 10
Columns	Ft. sup.	2 5
Lintels and beams	,,	2 7
Staircase strings cut to tread and riser	Ft. run	3 7
Edges of concrete floors, etc., up to 12 in. deep per inch in height	,,	2¼
Rebates or similar per inch girth up to 6 in. girth...	,,	2¼
Raking cutting	,,	8½
Extra cost for wrought shuttering and labour rubbing down to leave fair face on concrete ...	Yd. sup.	2 7
Pre-cast Concrete (1 : 2 : 4) including fair face :		
4½ in. x 6 in. reinforced lintels	Ft. run	3 0
9 in. x 6 in. ,, ,, ...	,,	5 3
9 in. x 9 in. ,, ,, ...	,,	8 7
Steel Formwork :		
Steel shuttering forms with patent expanding floor centres and telescopic props not less than four times use on each job with continuous use ...	Yd. sup.	11 6

Partitions : (Minimum 100 yd. super)	Yd. super rate			
	2 in.	3 in.	4 in.	6 in.
	s. d.	s. d.	s. d.	s. d.
Clinker concrete slab partitions in cement mortar	9 8	12 2	14 2	—
Cranham terra cotta slab partitions in cement mortar	13 2	16 2	19 1	—
Moler partition block partitions in cement mortar	18 2	23 3	25 11	—
Thermalite-Ytong partition blocks in cement mortar	—	15 8	19 4	27 7

Cuttings :

Raking cutting and waste = ⅓ of ft. sup. rate
Circular ,, ,, ,, = ½ of ft. sup. rate
Cutting around openings = ¼ of ft. sup. rate
Cutting and bonding at angles, intersections and ends all at 6d. ft. run.

BRICKLAYER

	Yd. super rates			
	Plain flettons	Rough stocks	Second stocks	Blue wire-cuts
	s. d.	s. d.	s. d.	s. d.
Brickwork in cement mortar (1 : 3) reduced to one brick thick	36 6	50 3	59 11	92 0
Deduct if in 1 : 1 : 6 cement-lime mortar	10	10	10	10
Add if in :				
Filling in openings	5 8	5 8	5 11	7 2
Backing to masonry	2 10	2 10	3 0	3 8
Building overhand	1 10	1 10	1 11	2 2
Raising on existing work	2 10	2 10	3 0	3 8
Circular on plan to quick sweep ...	5 6	5 6	5 9	6 10
Small detached piers, plinths, etc.	8 4	8 4	8 9	10 5
Underpinning	5 6	5 6	5 10	6 11
Brick-on-edge walls	12 6	17 8	20 8	—
Half-brick sleeper walls honeycombed	13 1	18 1	—	—
Half-brick walls	20 6	28 6	33 2	50 6
do. with fair face and pointing both sides as work proceeds	23 8	—	36 8	54 6
One-brick wall with fair face and pointing both sides as work proceeds	41 10	—	64 10	97 10
11 in. cavity brick wall with two half-brick skins with 2 in. cavity and three galvanised iron twisted ties to every yd. sup.	44 8	—	70 0	—

Sundry items :		s. d.
Horizontal double slate damp-proof course ...	Ft. sup.	3 4
Vertical ,, ,, ,, ,, ...	,,	4 1
Hessian-base bitumen damp-proof course	,,	1 6
Levelling and preparing for raising on	,,	1 0½
Cutting, toothing and bonding new to old	,,	3 8
Wedging and pinning with slates in underpinning ...	,,	5 2
Rough cutting	,,	6
Cutting and fitting brickwork around steel	,,	6
Bed and point frame one side	Ft. run	4
Rough cutting squint or birdsmouth	,,	6½
Labour plumbing angles on faced work	,,	2½
Rake out and point to lead flashing	,,	7½
,, ,, ,, ,, stepped flashing	,,	10½
Cutting groove for skirting and point	,,	1 7
Shallow chases for small pipes and conduit	,,	1 9
Metal reinforcement 24 gauge 2½ in. wide	,,	4½
Faced work : (Flemish bond) :		
Add or deduct for every 10s. per 1,000 difference from basic price of common bricks in Flemish bond in solid work	Yd. sup.	9
do. to half-brick wall in stretcher bond	,,	6½
Add for extra labour to each side in facings and pointing as work proceeds	,,	3 2
do. butt joints raked out and pointed with special mortar	,,	6 3
If built in English bond, add 12½ per cent to above items.		
Labours :		
Fair cutting	Ft. run	1 1½
Fair circular cutting	,,	1 4
Fair squint or birdsmouth cutting	,,	1 9

		9 in. wall	14 in. wall
Copings :		s. d.	s. d.
Brick-on-edge coping in flettons finished fair and pointing as work proceeds ...	Ft. run	2 4	3 1
Add for every increase by 10s. per 1,000 in cost of superior bricks	,,	1	1½
Add for two courses of roofing tiles under and cement weather fillets on both sides	,,	3 7	4 4
Cills :			
Two courses of roofing tiles laid breaking joint in cement mortar, set weathering and pointing ...	Ft. run	3 7	
Arches :			
Extra over fletton brickwork for brick-on-end flat arch 4½ in. on soffit and 9 in. high in facings p.c. 350s. per 1,000 and pointing	Ft. run	3 7	
Extra over fletton brickwork for fair axed arch in stock facings p.c. 350s. per 1,000 and pointing (cuttings measured separately)	Ft. sup.	9 3	

CURTAIN WALLING

Curtain walling of hollow, extruded, aluminium alloy mullion and transom units fixed together to form a grid to conventional steel and concrete framework, including glazing complete and a reasonably priced infilling panel and subject to the number of vents, etc., required, a fair average price is from 22/- to 27/6 per ft. sup.

PAVIOR

	Yd. super rates			
	½ in.	¾ in.	1 in.	1¼ in.
	s. d.	s. d.	s. d.	s. d.
Cement screed (1 : 3) to receive pavings	4 5	5 3	6 1	6 11

		d.
Add to above for :		
Trowelling smooth	Yd. sup.	7
Narrow widths or small quantities—add 25 per cent. to plain surfaces : Laying to falls	,,	4

	Yd. super rates			
	1 in.	1¼ in.	1½ in.	2 in.
	s. d.	s. d.	s. d.	s. d.
Granolithic paving (1 : 2½) laid on concrete	8 9	9 11	12 0	13 2

		s. d.
Add to above for :		
Narrow widths or small quantities—add 25 per cent to plain surfaces.		
Surface hardening with three coats of silicate of soda	Yd. sup.	1 5
Carborundum finish with 2 lb. per yd. sup. trowelled in	,,	3 0
¾ in. skirting 5 in. high covered at bottom and fair top edge	Ft. run	2 9
Mitres and ends—7d. each.		
Composition flooring ½ in. thick	Yd. sup.	18 0
Terrazzo paving ⅜ in. thick	,,	45 0
Rubber flooring ¼ in. thick	,,	65 0

ASPHALTER

		Mastic BSS 988	Natural rock BSS 1162
Asphalt roofing :		s. d.	s. d.
¾ in. flat to falls in two thicknesses on felt underlay on prepared screed	Yd. sup.	14 3	21 0
do. in small quantities or narrow widths	Ft. sup.	2 3	2 6
6 in. high skirting with angle fillet and splayed edge at top	Ft. run	2 6	3 1
External angles on do.	No.	7	7
Internal angles on do.	,,	7	7

		Mastic BSS 1097	Natural rock BSS 1418
Asphalt Damp-proof Course and Tanking :		s. d.	s. d.
Vertical damp-proof course in 2 thicknesses	Yd. sup.	22 0	28 0
do. in narrow widths	Ft. sup.	3 0	3 7
¾ in. Horizontal damp-proof course in two thicknesses	Yd. sup.	14 10	18 3
do. in narrow widths	Ft. sup.	2 3	2 6
Vertical tanking in three thicknesses ...	Yd. sup.	31 3	36 9
1½ in. Horizontal do. in three thicknesses	,,	25 0	29 2
Labour double angle fillet	Ft. run	1 8	1 8

DRAINLAYER

	Per yd. run Depth of trench				
	2 ft.	3 ft.	4 ft.	5 ft.	10 ft.
	s. d.	s. d.	s. d.	s. d.	s. d.
Excavate trench, part return fill and ram and remove surplus, inc. planking and strutting. (In firm soil—if in clay or chalk adjust in accordance with previous excavation rates)	8 3	21 7	28 10	36 0	106 3

	Per yd. run		
	4 in.	6 in.	9 in.
	s. d.	s. d.	s. d.
Concrete (1: 6–1½ in agg.) 12 in. wider than external diameter of pipe in 4 in. bed and benching up on both sides	8 0	8 10	11 3
do. but 6 in. bed and do.	9 7	11 3	13 7
do. but 4 in. bed and surround to pipe	11 7	14 5	19 0
do. but 6 in. bed and surround to pipe	15 7	18 10	23 9
	Per ft. run		
Salt glazed drain pipes laid and jointed in trench (Minimum two-ton loads):	4 in.	6 in.	9 in.
	s. d.	s. d.	s. d.
'Seconds'	2 8½	3 10	6 1
'Best'	2 11	4 2½	6 9½
'Best Tested'	3 7¼	5 1¾	8 7
'British Standard'	3 1¼	4 5½	7 3½
'British Standard Tested'	3 8¾	5 5	8 11
Extra for bends 'Best' quality	4 0	5 10	16 11
Extra for junctions 'Best' quality	7 0	9 11	21 4
Cast-iron drain pipes to BSS 437 laid and jointed with molten lead in trench	17 0	25 0	—
Extra for:			
Short lengths	4 0	5 1	—
Bends and extra joints	25 8	68 10	—
Junctions and do.	51 9	118 0	—
Cast-iron gulley trap with 9½ in. x 6½ in. grating and joint	45 2	—	—
Cast-iron rainwater shoe with vertical inlet, inspection door and bedding and joints ...	70 3	—	—
Cast-iron inspection fittings with single branch fitting one side	164 0	—	—

	Per ft. run		
	3 in.	4 in.	6 in.
	s. d.	s. d.	s. d.
Pitch fibre pipes to BS 2760 and laying and jointing in trench (in loads of £60 to £250)	2 6	3 3	6 2

		4 in.	6 in.
Manhole items:		s. d.	s. d.
Brown glazed stoneware straight half-round channels	Each	5 4	7 8
do. ordinary channel bends	,,	11 10	16 11
Three-quarter section curved channel bends with splayed ends	,,	15 0	21 6
Cast-iron heavy galvanised steps	Each		13 0
Bedding and sealing medium weight manhole covers and frames (cost of cover to add)	,,		10 0
do. heavy road covers and frames	,,		13 3

MASON

		Per ft. cube		
		Bath	Portland	York
Stone and all labours fixed in:		s. d.	s. d.	s. d.
Ashlar average 6¾ in. on bed	Ft. sup.	31 6	35 9	38 6
Moulded string course 9 in. x 6 in.	Ft. run	27 0	29 8	32 6
Moulded cornice 18 in. x 9 in. ...	,,	68 3	74 3	79 3
Weathered and throated cills:				
9 in. x 3 in.	,,	17 0	19 3	19 9
12 in. x 6 in.	,,	34 0	36 3	38 6
Weathered and throated copings:				
12 in. x 3 in.	,,	18 6	20 0	20 7
14 in. x 6 in.	,,	37 6	41 3	43 6
Plinth rubbed top and face size:				
4½ in. x 9 in.	,,	18 8	21 0	19 3
Plain steps, size 12 in. x 6 in. ...	,,	—	—	34 3
,, ,, ,, 14 in. x 2 in. ...	,,	—	—	16 0
Riser, size 2 in. x 4 in. ...	,,	—	—	7 6
2 in. Sawn paving edges squared in random sizes	Yd. sup.	—	—	93 6
Supplied only:				
Templates and cover stones coped edges	Ft. cube	—	—	29 9

ROOFER

	Yd. sup.
	s. d.
Bituminous built-up roofing in two layers of felt, the first layer 45 lb. and the second 55 lb. to BS 747, covered with limestone or granite chippings n.e. ¼ in. thick	10 0
All as above but in three layers, the first and second layers in felt 45 lb.	13 9

	Steel Tees at	
	2 ft. 0½ in. centres	4 ft. 0½ in. centres
	s. d.	s. d.
2 in. compressed straw building slabs in standard sizes fixed complete with 18G steel tees with fixing clips to steel structure to form roof decking:		
Areas of 50–100 yds. sup.	27 8	21 4
,, 101–250 ,, ...	26 10	20 9
,, 251–750 ,, ...	26 0	20 3
,, Over 750 ,, ...	25 2	19 4
If 16G steel tees are used—Add to above ...	1 5½	9

Welsh Slating		Per square		
		16in.x8in.	18in.x10in.	20in.x10in.
		s. d.	s. d.	s. d.
Laid with 3 in. lap and 2 zinc nails each slate		380 0	408 0	499 0
Additional labours:				
Top edge cutting ...	Ft. run	9	9	9
Square abutment do.	,,	9	9	9
Double course at eaves...	,,	1 3	1 3	1 3
Raking, cutting and waste	,,	11	11	11
1½ in. x ¾ in. slate battening for last	Per sq.	36 9	33 0	29 3

Roof Tiling		Per square		
		Berkshire hand-made	Stafford machine made	Concrete Tiles
		s. d.	s. d.	s. d.
Roof tiling with 10½ in. x 6½ in. tiles laid to a 4 in. gauge, every fourth course fixed with two galvanised nails		264 0	253 0	163 3
1 in. x ¾ in. tile battening for last		39 6	39 6	39 6
Additional labours:				
Top edge cutting	Ft. run	9	9	9
Square abutments do. ...	,,	9	9	9
Raking cutting to hips ...	,,	11	11	11
Eaves course	,,	11	11	11
Half-round ridge and hip tiles	,,	2 11	2 11	2 11

CARPENTER AND JOINER

	Ft. cube			
	Plates	Joists	Rafters & Partitions	Roof trusses
	s. d.	s. d.	s. d.	s. d.
Softwood carcassing, including all waste, nails, hoisting and fixing	17 1	19 10	22 10	27 4

	Per square		
	¾ in.	1 in.	1¼ in.
	s. d.	s. d.	s. d.
Boarding and Flooring: (Softwood):			
Rough boarding to flats and roof ...	125 0	160 0	194 9
Softwood plain edge flooring cleaned off	155 0	173 6	211 0
Tongued and grooved flooring cleaned off	169 0	195 4	237 0

		s. d.
Extra for 2 in. x 3 in. average firrings	Per sq.	81 7
Herringbone strutting to 2 in. x 8 in. joists	Ft. run	1 10
1 in. gutter boarding and bearers	Ft. sup.	3 9
Raking cutting and waste on 1 in. flooring	Ft. run	9
Composition Boards, etc.:		
⅛ in. hardboard to BS 1142 fixed to vertical battens	Yd. sup.	6 9
½ in. insulation board to BS 1142 do. do.	,,	6 11
1 in. woodwool slabs fixed to flat or sloping soffits	,,	9 7
2 in. compressed straw building slabs in standard sizes fixed to wood bearers to flat or sloping surfaces in quantities of 101 to 250 yds. super	,,	14 8
¼ in. flat asbestos sheeting fixed vertically	,,	11 0

Wood Block Flooring:		s.	d.
1 in. nominal West African mahogany flooring laid herringbone pattern in mastic	Yd. sup.	34	6
1 in. do. Agba	,,	34	6
1 in. do. Sapele	,,	36	3
1 in. do. Beech	,,	39	0
1 in. do. Rhodesian Teak	,,	52	0

Extra for preparing and polishing 2/3 yd. sup.

	Sectional area		
	n.e. 4 in.	4–6 in.	ex. 6 in.
Skirtings:	s. d.	s. d.	s. d.
Softwood skirting with rounded or moulded edge, planted on including all labours in short lengths, mitres, etc., per in. in sectional area	3¾	3¼	2¾

Labours over 6 in.—Mitres = 1 ft. run. Return mould ends = 1 ft. 6 in. run
Sawn grounds nailed 3¼d. ft. run. If plugged + 7d. ft. run.

	Ft. super	
	Large sqrs.	Small sqrs.
Sashes and Frames: (Softwood):	s. d.	s. d.
1½ in. rebated, rounded or moulded fixed	3 7	5 9
2 in. ,, ,, ,, ,, ...	4 0	6 2
Add for hanging on butts ... ... each	2 9	2 9
Double-hung sashes and frames with oak cills, purpose-made and not less than 1 doz. in each order:		
Quantities under 1 doz.—add up to ⅓ according to quantity. (Average size 4 ft. x 5 ft.)	10 8	14 6

Extra cost of boxed mullions 1s. ft. sup.
Extra for hanging sashes with lines, weights and axle pulleys 47s. each.

	Ft. super			
	1¼ in.	1½ in.	1¾ in.	2 in.
Doors: (All-purpose-made) (Softwood)	s. d.	s. d.	s. d.	s. d.
Softwood skeleton framed with hardboard flush both sides (standard internal pattern)	3 7	4 0	4 5	4 10
Framed, ledged and braced	—	5 1	6 2	6 4
Four panel square framed both sides	4 10	5 7	6 7	6 10
Add for each side moulded on last...	6	6	6	6
do. flush framed	1 0	1 1	1 3	1 3
do. bead and butt do.	1 3	1 4	1 6	1 6
do. bolection moulded do.	1 6	1 6	1 6	1 6
do. raised and fielded do.	—	2 4	2 4	2 4

Rebated and beaded meeting stile 4d. ft. run.
Dwarf doors add up to 50 per cent according to size.

	Sectional area		
	n.e. 6in.	6-12 in.	ex. 12in.
Window and Door Linings and Frames:	s. d.	s. d.	s. d.
Softwood linings per inch of sectional area	4½	4	3½
Add for cross-tongueing	—	1	¾
Frames, including rebating and once moulded or equivalent of two run labours, per sectional inch	4	3½	3

Transomes and cills plus 10 per cent on frames.
Additional run labours plus 1½d. per ft. run.

	Per ft. run			
	Sectional area			
	1 in.	2 in.	4 in.	6 in.
Softwood Bearers, Fillets and Mouldings, etc.:	s. d.	s. d.	s. d.	s. d.
Wrot grounds, bearers, fillets, etc.	4½	7	11	1 3
Mouldings, picture rails, architraves, etc.	5	7½	11½	1 4
Framed legs and bearers or similar	9	11	1 4	1 10
Glazing beads, mitred and bradded	6	8½	—	—
Add for plugging	6	6	6	6
Add for brass cups and screws ...	2½	2½	2½	2½

	Thickness			
	¾ in.	1 in.	1¼ in.	1½ in.
Shelving (Softwood):	s. d.	s. d.	s. d.	s. d.
Slat shelving 2 in. wide spaced 1 in. between ... ... Ft. sup.	2 0	2 3	2 8	3 1
9 in. shelving ... ... Ft. run	2 0	2 4	2 10	3 6
Shelving over 9 in. wide ... Ft. sup.	2 7	2 11	3 7	4 2

1 in. x 2 in. chamfered bearers in short lengths, plugged, each 2s. 3d.

	Ft. super	
	1 in. treads	1¼ in. treads
Staircases (Softwood):	s. d.	s. d.
Treads and risers with moulded nosings, glued, blocked and bracketed on carriages	6 3	7 0
Cross-tongued winders	8 3	9 4

		s. d.
Strings, framed	Ft. run	4 9
Housings for treads and risers	Each	3 0
1 in. x 1 in. sq. balusters framed each end on rake ...	,,	4 1
3½ in. x 3½ in. sq. framed newel	,,	5 2
Mahogany handrail, average 3 in. x 3 in.	Ft. run	8 10
,, ,, ramped	,,	26 0

FIXING ONLY IRONMONGERY

All to Softwood:	Each s. d.		Each s. d.
Barrel bolts	1 9	Rim locks	5 2
Flush bolts	6 3	Mortice locks	11 0
Sash fasteners	3 4	Overhead door springs...	14 6
Casement fasteners ...	2 3	Patent floor springs and oil	36 3
Cupboard locks	5 0		

FOUNDER AND SMITH

Fabricated steelwork of basis section including hoisting and fixing at various levels:		s. d.
Rolled steel joists	per cwt.	90 0
Compound girders	,,	97 0
Stanchions	,,	102 3
Compound stanchions	,,	108 0
In roof work—trusses and purlins	,,	122 0
(Average prices, not for awkward work)		
Cleats, brackets, packing pieces, etc., in connections, including rivets and bolts	,,	147 6
Wrot iron framed cat ladders	,,	148 0 to 168 0

PLUMBER

		Per ft. run		
		3 in.	4 in.	5 in.
Cast iron rainwater goods: (Under 5 cwt. lots):		s. d.	s. d.	s. d.
Half-round gutter jointed in red lead and bolted and fixed with iron brackets		3 2	3 9	4 7
Extra for stop ends	each	2 5	3 0	3 11
do. angles or outlets	,,	5 10	6 2	7 3
O.G. gutter of ⅛ in. metal fixed as above		3 8	4 2	4 11
Extra for stop ends	each	2 9	3 4	4 4
do. angles or outlets	,,	6 7	6 9	8 1
		2 in.	3 in.	4 in.
Rainwater pipe jointed in red lead and tow fixed to brickwork with pipe nails and distance pieces: ⅛ in. metal		4 3	4 10	6 3
Extra for shoes	each	5 0	6 10	9 2
do. bends	,,	5 9	8 1	10 4
do. junctions	,,	7 9	11 0	14 1
Cast iron soil and waste pipes: (Under 5 cwt. lots):		2 in.	3 in.	4 in.
Soil, waste or ventilating pipes with caulked joints fixed to brickwork with pipe nails and distance pieces: 13/64 in. metal		6 2	7 3	9 6
Extra for bends	each	13 7	16 2	20 2
do. junctions	,,	16 10	23 3	29 2
do. oval access door to any fitting	,,	16 6	16 6	21 3
Extra cost for type 'E' holderbat fixing and cutting and pinning to brickwork	ft. run	1 6	1 7	1 7½

Specify the firm with Craftsmen . . .
Technical experience covers fifty years

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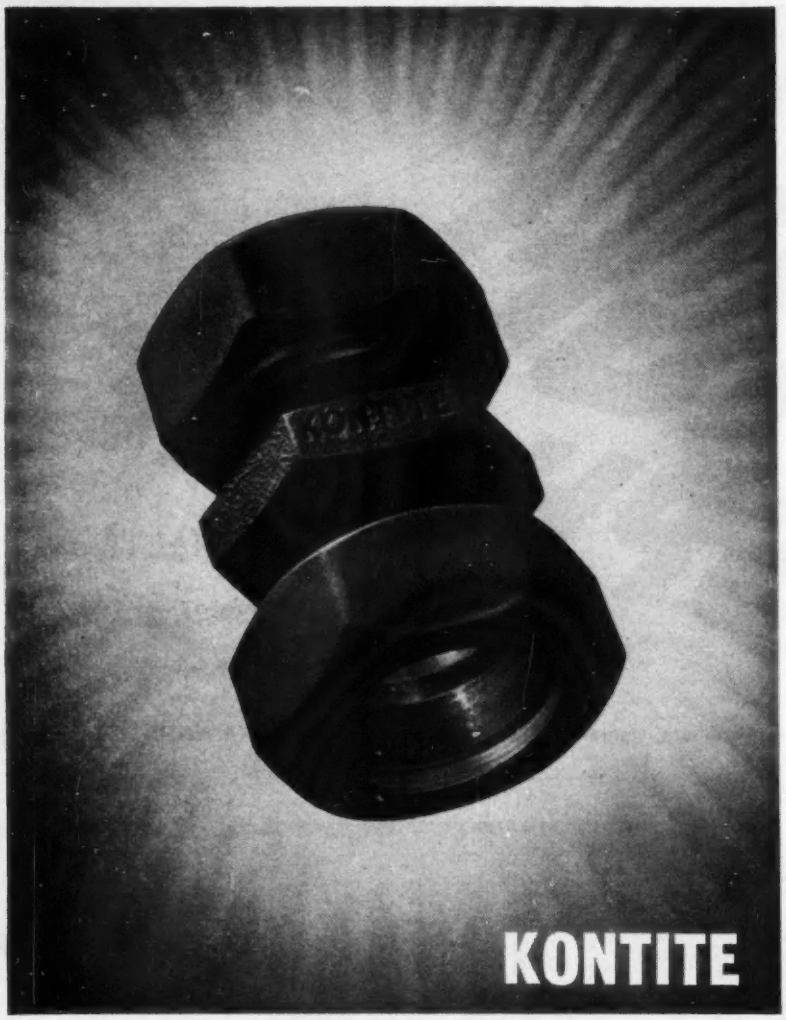

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Use Kontite compression fittings with copper tube and be sure of first-class plumbing.

Designed to make jointing easier, better and cheaper. They are available to suit all pipe sizes up to 6″ bore.

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LONDON OFFICE: 36 VICTORIA STREET · SW1
TELEPHONE: ABBEY 2144

	Soakers	Flats	Gutters, valleys, etc.	Flashings	Stepped Flashings
External leadworks (Over 1 ton):	s. d.	s. d.	s. d.	s. d.	s. d.
Milled lead and labour in per cwt.	151 2	175 0	186 8	192 8	202 10

Labours, etc.:	Double welt	ft. run	1 0
	Copper nailing: Open	,,	7
	Close	,,	1 0
	Soldered seam	,,	6 7

		2 in. x 10 lb.	3 in. x 15 lb.	4 in. x 19 lb.
Lead pipes: (Over 1 ton):		s. d.	s. d.	s. d.
Soil, waste and ventilating pipes, fixed to walls with plain lead tacks and brass screws	per ft.	11 1	14 7	19 1
Extra for: Lengths under 4 ft. ...	,,	3 0	3 6	4 6
Bends	No.	12 6	23 9	24 10
Wiped soldered joints	,,	20 0	29 7	33 7
,, branch joints	,,	24 4	35 0	39 3

	Per ft. run					
	½ in.	¾ in.	1 in.	1¼ in.	1½ in.	2 in.
Lead pipes including running joints:	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Main in trench ...	3 6	5 3	7 9	9 9	12 5	17 3
do. fixed with hooks	4 2	6 1	9 1	11 3	14 1	19 3
Service and do. ...	3 6	5 2	7 2	8 7	10 10	14 0
Waste and do. ...	2 9	4 0	5 9	6 10	8 8	11 4
Extra for lengths under 4 ft. ...	9	1 0	1 6	1 9	2 0	2 7
Soldered stop ends ... ... No.	2 6	3 0	3 9	4 6	5 2	6 8
do. joints to fittings ... ,,	6 6	9 2	11 0	13 4	16 3	19 9
do. branch joints... ... ,,	7 2	10 1	12 2	14 10	17 11	21 8
Brasswork:						
Union with red lead joint to iron and soldered joint to lead ... ... ,,	12 0	14 10	18 6	22 9	27 10	40 6
Stop-cock and soldered joints... ... ,,	21 0	30 8	43 7	70 0	89 6	167 5
Bib-cock do. ,,	18 6	24 9	—	—	—	—
Ball-valve do. ,,	18 0	30 4	43 5	71 7	89 6	—
Steel tubing:						
Galvanised tubing Class C laid in trench	2 4	2 6	2 10	4 1	5 6	6 6
do. Class B fixed to walls, etc. ...	2 7	3 0	3 4	4 5	6 2	7 1
Extra for bends No.	5 0	5 9	7 7	9 10	11 8	17 2
Tees ,,	5 8	6 9	8 2	10 10	12 10	18 8
Red lead joints ,,	3 6	3 9	4 1	4 7	5 1	5 7
Copper tubes and fittings: gauge	19	19	18	18	18	17
Tubes and fixing to walls	2 7	3 4	4 6	5 5	6 4	9 2
Extra for lengths under 4 ft. ...	7	9	11	1 0	1 3	1 6
Brass capillary type fittings:						
Couplings—copper to copper ...	3 8	4 4	6 9	8 9	11 2	15 3
Bends— do. ...	5 10	7 1	8 11	11 7	17 2	32 3
Tees— do. ...	8 7	9 11	14 2	19 2	26 3	36 4
Stop cocks	23 7	33 1	60 2	101 2	152 3	250 4
Tank connectors ...	4 9	5 4	8 1	10 2	14 3	18 4

PLASTERER

		s. d.
Expanded metal lathing ⅜ in. mesh 24 gauge ... (not including hangers for suspended work)	... Yd. sup.	7 9
Lime Plastering: Render, float and set	,,	9 5
Sirapite Plastering: Render and set	,,	7 2
Portland Cement: Plain face trowelled smooth ...	,,	8 9
Keenes: Render in cement and lime and set in Keenes	Yd. sup.	9 11
Extra for dubbing out ½ in. thick 1/11, ½ in. thick 3/4		
⅜ in. Plasterboard and setting coat in Sirapite ...	,,	8 11
Narrow widths: Up to 3 in. wide add 100 per cent. Do. 6 in. do. 75 per cent. Do. 6 in. to 12 in., add 33⅓ per cent.		
Labours: Arris 4½d. Fair edge 6½d. Quirk 9½d.		
Plaster Moulded Cornices: 6 in. girth and under ...	Ft. run	3 1
Over 6 in. girth, add 4d. per in.		
Tyrolean Rendering with three coat Cullamix finishing	Yd. sup.	11 8
Wall Tiling: 6 in. x 6 in. white glazed ¼ in. thick ...	,,	45 0
Extra for rounded angle or birdsbeak	Ft. run	4
do. rounded edge tile	,,	5

GLAZIER

	Wood sashes with beads or putty
	s. d.
Clear sheet glass ordinary quality:	
18 oz.	1 4½
24 oz.	1 7
26 oz.	1 9½
32 oz.	2 2
Obscured glass:	
⅛ in. Figured rolled White group 1	1 9
,, ,, ,, group 2	2 0½
,, ,, Standard tints	2 6½
⅛ in. Pinstripe, Hammerstripe, Reeded, Reedlyte and luminating group 3	2 2½
¼ in. Wired Cast	2 6
¼ in. Georgian Wired Cast	2 6½
¼ in. Polished Plate Glass, G.G. Quality:	
In plates not exceeding 2 ft. sup.	6 8½
,, ,, ,, 5 ft. sup.	7 8½
,, ,, ,, 45 ft. sup.	8 10½
,, ,, ,, 100 ft. sup.	9 5½
Extra on all above:	
For glazing with screw beads ft. sup.	5½
(Excepting polished plate over 12 ft. super on which no extra is charged)	
For glazing with metal sashes with putty	1
Glazing bedded in washleather ... ... Ft. run	8½

PAINTER

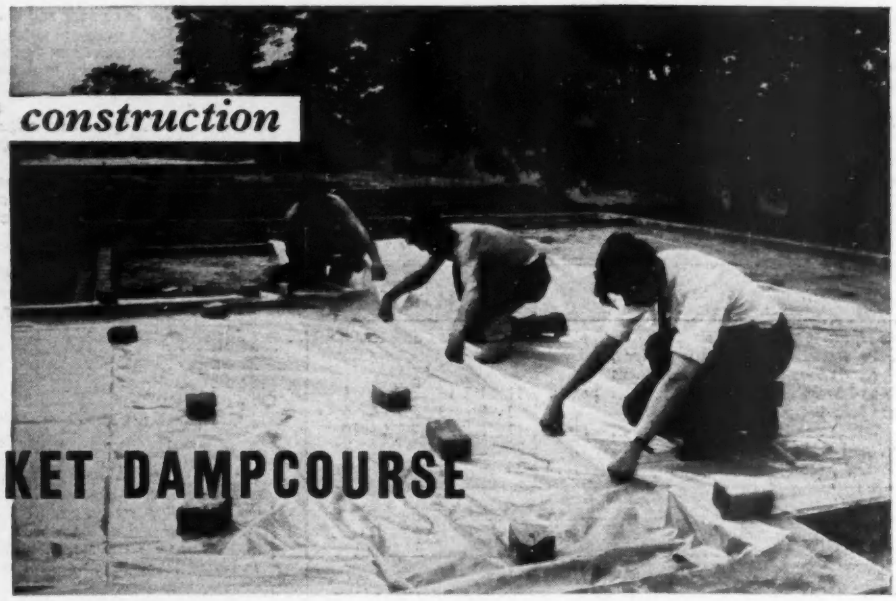
		s. d.
Limewhiting: Prepare and two coats on brick ...	Yd. sup.	1 2
Whitening: Prepare and two coats on plaster ...	,,	1 5
Washable distemper: Prepare and two coats on plaster	,,	1 11
Emulsion paints: Prepare and two coats on plaster ...	,,	3 1

Painting with oil colours:	Yd. super 1 coat	2 coats	3 coats
	s. d.	s. d.	s. d.
Prepare and paint on plaster	2 3	4 3	6 4
On Steel:			
Plain surfaces	1 10	3 7	5 5
Roof trusses...	2 4	4 7	6 11
Metal casements divided into squares ...	3 4	6 8	10 0
do. divided into large squares ...	2 7	5 0	7 6
Opening edges ... ... Each	8	1 3	1 10
Small pipe ... ... Yd. run	6	1 0	1 5
Rainwater pipe ... ... ,,	1 0	1 11	2 9
Gutter ... ... ,,	1 4	2 6	3 8

		Knot prime and stop	Add for each extra coat
On Woodwork:		s. d.	s. d.
General surfaces	Yd. sup.	2 10	2 3
On work not exceeding 3 in. girth ...	Yd. run	4½	3½
Add to last for every additional 3 in. in girth		3¼	2¾
Sash squares on one side	Doz.	5 6	4 6
Large ,, ,, ,, ...	,,	8 6	8 0
Opening edges	No.	9	8

		s. d.
Oiling Hardwood: Two coats with linseed oil... ...	Yd. sup.	1 4
Creosote: Two coats on woodwork	,,	1 7
Polishing—New Work:		
Staining and wax polishing hardwood	Ft. sup.	1 1
Staining, bodying in and full french polishing on hardwood	,,	2 6
Old Work previously polished:		
Preparing old work and repolishing	,,	1 2
Stripping, preparing and repolishing	,,	3 1
Papering:		
Preparing, sizing and hanging lining paper	per piece	10 7
do. do. Wallpaper, p.c. 10s.	,,	19 8

In house-raft construction



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BCL BLANKET DAMPCOURSE

BCL Blanket Dampcourse (0·005″ thick BCL polythene film) is the answer to the problems of moisture penetration into concrete house-rafts. It stops water rising through the raft into the house and, by preventing water-absorption by the concrete, removes the danger of the raft being damaged by frost or sulphate.

BCL Blanket Dampcourse is

—**waterproof**—virtually eliminates moisture-absorption by the concrete ;

—**rotproof and chemically inert**—will not break down or lose efficiency ;

—**tough and flexible**—will not easily break or tear when being laid ;

—**very easy to handle**—the film is light in weight and is simply laid over the fill before the concrete is placed ;

—**cheap**—material and labour-costs are very low.

Geo. Wimpey & Co. Ltd. make extensive use of BCL Blanket Dampcourse. This picture, taken with their kind permission, shows the film laid in position before the concrete is placed.

For further information, send today for a copy of the free illustrated booklet, "BCL Blanket Dampcourse", which incorporates a report on the tests carried out with this material by the Industrial Research Laboratories of the City of Birmingham Public Works Department.

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Please ask your representative to call.....

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THE BUILDER CURRENT PRICES

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AGGREGATES AND SAND

Delivered site in full lorry loads. Average of prices for Boroughs of Westminster, Paddington, Holborn and St. Pancras.

		£	s.	d.
Pit Ballast	per yd.	1	5	5
Pit Sand	"	1	3	8
Washed Sand	"	1	6	9
¾ in. Shingle	"	1	4	3
¾ in. Broken Brick	"	1	0	9
Pan Breeze	"	1	0	6
Fine or Coarse Foamed Slag Aggregate	per ton	3	8	0

2 yds. of fine and 2.6 yds. of coarse per ton.

CEMENT, etc.

Including non-returnable jute sacks or paper bags.

		£	s.	d.
Best British Portland Cement. Standard Specification delivered Charing Cross area.				
6-ton loads and upwards, site	per ton	5	10	0
1 to 6 tons, site	"	6	2	0
Rapid-Hardening Cement in 6-ton loads and upwards to site	"	6	0	6
1 to 6 tons do. site	"	6	12	6
Aquacrete Water Repellent Cement. 32s. 6d. per ton on ordinary cement prices.				
Sulphate Resisting Cement. 32s. 6d. per ton on ordinary cement prices.				
Red, Buff or Khaki Colorcrete in 6-ton lots	"	8	10	0
Other colours according to colour. In 4-ton lots from 308s. 0d. to 778s. 0d. per ton.				
White Portland Cement	"	13	15	6
Under 1 ton	per cwt.		16	9
417 Cement (Ultra Rapid Hardening) in 6-ton lots and upwards	per ton	7	2	6
Super Cement (Waterproof), 32s. 6d. per ton above Portland Cement.				
Cullamix Tyrolean Finish, £11 8s. 0d. to £14 3s. 0d. (1-ton loads and upwards.)				
Lightning and Ciment Fondu Brands High Aluminous cement, 6-ton lots and up	"	15	14	6
Stourbridge Fireclay, 6-ton loads at Railway Depot, London	"	6	19	0
Stourbridge Fireclay, 6-ton loads (London sites)	"	7	7	0
Moler Mortar Powder for Flue Bricks (London sites)	per cwt.	1	10	0

BRICKS

Full Loads.

		£	s.	d.
First Hard Stocks	per 1,000	15	19	6
Second Hard Stocks	"	14	3	6
Mild Stocks (Kiln Burnt)	"	10	5	0
Mild Stocks	"	10	0	0

All loaded free into lorry at the works. The question of haulage is still very difficult and prices must be obtained from job to job.

2½ in. Nominal Fletton Bricks to sites in W.C. district:				
Commons	"	5	18	0
Cellular Commons	"	5	18	0
Keyed do.	"	6	0	0
Rustics	"	7	10	0
Cellular Rustics	"	7	10	0
Single Bullnose Commons	"	7	12	6
Sandfaced	"	8	10	0
Tuscans	"	9	5	0
Saxons	"	9	13	0
Golden Buffs	"	10	0	0
Dapple Light Facings	"	10	7	6
Heather Facings	"	10	3	0
Best Blue Pressed Staffs (London stations)	"	30	12	6
do. do. (London sites)	"	30	14	0
do. Bullnose (London stations)	"	31	11	6
do. do. (London sites)	"	31	13	0
Blue Wire Cuts (London stations)	"	27	5	0
do. do. (London sites)	"	27	6	6
Midhurst Lime Bricks (London sites)	"	11	0	6
Uxbridge Whites (London sites)	"	10	19	0
Special Purpose Sandlime Bricks (London sites)	"	8	12	0
Best Stourbridge Fire Bricks:				
2½ in. (London stations)	"	30	12	3
2½ in. (London sites)	"	31	1	0
3 in. (London stations)	per 1,000	36	14	9
3 in. (London sites)	"	37	5	3
2½ in. Moler Flue Bricks (London sites)	"	31	10	0
2½ in. Machine-made Sandfaced Red Facings (London sites)	"	17	7	6
2½ in. Machine-made Multi Red Facings (London sites)	"	17	12	6
2½ in. Hand-made Sandfaced Red Facings (London sites)	"	18	17	6
2½ in. Hand-made Sandfaced Multi-Colour Facings (London sites)	"	18	17	6
Hand-made Sandfaced Cherry Red Facings, Berkshire district (London sites)	"	19	13	0
Hand-made Sandfaced Multi-Colour Facings, Berkshire district (London sites)	"	19	13	0
Rubber Bricks for gauged arches (London sites)	"	49	1	3
2½ in. Surrey Clamp Burnt Multi Stock Facings (London sites)	"	15	6	6
2½ in. Surrey Kiln Burnt Multi Stock Facings (London sites)	"	16	7	0
Glazed Bricks (London sites), White, Ivory, Brown:				
Stretchers	"	64	0	0
Headers	"	63	0	0
Quoins, Bullnose and 4½ in. Flats	"	80	0	0
Double Stretchers	"	85	0	0
Double Headers	"	77	10	0
One side and two ends	"	87	0	0
Two sides and one end	"	89	10	0
Splays and Squints	"	83	0	0

Cream and Buff, £3 extra over White. Other colours, hard glaze, £8 10s. 0d extra over White. All above prices plus 32½% for Best quality and plus 32½% less 10% for Second quality.

PARTITION SLABS, etc.

Delivered Central London Area. (W.C. District.)

		£	s.	d.
HOLLOW CLAY PARTITION BLOCKS (Keyed)				
Minimum lorry loads				
*2½ in. 140 yds.	per yd. sup.		4	5
BUILDING BLOCKS (Keyed)				
*3 in. (6 cavity) 110 yds.	"		5	5
*4 in. (6 cavity) 90 yds.	"		6	10
6 in. (8½ in. × 5½ in.) 1,250 blocks	per 1,000	26	18	0
* Half blocks at no extra charge.				
CLINKER CONCRETE				
2 in. 100 yds.	per yd. sup.		3	9
2½ in. 85 yds.	"		4	4
3 in. 75 yds.	"		5	3
4 in. 55 yds.	"		6	5
CRANHAM TERRA COTTA				
2 in.	"		6	9
2½ in.	"		7	9
3 in. Load bearing quality	"		8	9
4 in. do. do.	"		10	9
MOLER PARTITION BLOCKS				
2 in. 150 yds.	"		11	3
2½ in. 120 yds.	"		14	0
3 in. 100 yds.	"		15	0
4 in. 90 yds.	"		17	0
LIGHTWEIGHT CONCRETE BUILDING AND PARTITION BLOCKS OF VARIOUS SOURCES OF MANUFACTURE				
2 in. 100 yds.	per yd. sup.		5	4
2½ in. 80 yds.	"		6	5
3 in. 65 yds.	"		7	5
4 in. 50 yds.	"		9	4
4½ in. 44 yds.	"		10	2
6 in. 33 yds.	"		13	5
THERMALITE-YTONG PARTITION BLOCKS				
2½ in. 144 yds.	"		7	0
THERMALITE-YTONG LOAD-BEARING INSULATING BLOCKS				
3 in. 120 yds.	per yd. sup.		8	5
4 in. 90 yds.	"		11	0
5 in. 72 yds.	"		13	9
6 in. 60 yds.	"		16	6
8½ in. 42 yds.	"	1	3	8
FLOOR BLOCKS AND FILLER TILES				
Floor Blocks 12 in. × 12 in. delivered in full lorry-loads:				
3 in.	per 1,000	34	1	0
4 in.	"	36	10	0
5 in.	"	43	15	0
6 in.	"	49	19	0
7 in.	"	61	8	0
8 in.	"	71	19	0
9 in.	"	79	3	0
10 in.	"	87	15	0
Filler Tiles in multiples of 10 tiles per 1,000 multiples:				
12 in. × 3 in. × ½ in.	"	42	15	0
12 in. × 4 in. × ½ in.	"	73	15	0
10 in. × 5 in. × ½ in.	"	73	15	0

The Brandon Estate at Southwark, where FF Joints have been used to complete the plumbing installation for this 18-storey block of L.C.C. flats.

The FF Joint

-accepted by over 100 Local Authorities

The established development for all plumbing systems

Literature is available showing the FF Joint's many applications in all types of plumbing layouts for multi-storey flats and two-storey houses including the Single Stack System.

The FF Joint is a Federated Foundries product.

Please write direct to the Technical Advisory Department at any of the following suppliers, and order through your normal trade channels:

Thomas Allan & Sons Ltd., Thornaby-on-Tees.
Grange-Camelon Iron Co. Ltd., Falkirk.
Cameron & Roberton Ltd., Kirkintilloch, Glasgow.
David King & Sons Ltd., Skipton, Yorks.
Walter Macfarlane & Co. Ltd., Glasgow, N.2.
Southern Foundries Ltd., Waddon, Croydon.

STONEWARE DRAIN PIPES, etc.

The following are the percentages to be added to the Revised Standard List (Nov., 1956) prices delivered London Area.
Delivered ex Merchants Wharf or Depot.

	Over 2 tons	Over 100 pieces Under 2 tons	Under 100 pieces Under 2 tons
Best Quality ...	−10%	+5%	+12½%
BSS Best Quality...	+10% −10%	+10% +5%	+10% +12½%
Tested Quality ...	+37½% −10%	+37½% +5%	+37½% +12½%
BSS Tested Quality	+47½% −10%	+47½% +5%	+47½% +12½%

		£	s.	d.
3 in. Land Drain Pipes (in 12 in. lengths)	per 1,000	11	18	6
4 in. do. do.	"	15	19	6
6 in. do. do.	"	32	19	0
9 in. do. do.	"	62	9	0

DAMP COURSE

		£	s.	d.
Hessian base bitumen 7 lb. per yd. sup. in 24 ft. rolls cut to wall widths in lots of £6 value and over delivered London area	per yd. sup.		3	2
Asbestos base do. 7 lb. per yd. sup. do. do.	"		5	2
Lead lined bitumen do. 9½ lb. per yd. sup. do. do.	"		12	2
18 in. × 9 in. British damp course slates	per 1,000	43	8	11
14 in. × 9 in. do. do.	"	32	8	2
9 in. × 9 in. do. do.	"	18	18	9
18 in. × 4½ in. do. do.	"	19	19	9
14 in. × 4½ in. do. do.	"	15	18	3
9 in. × 4½ in. do. do.	"	10	14	3

STONE

		£	s.	d.
Bath Stone				
Monks Park	per ft. cube		10	3
St. Aldhelm Box Ground	"		11	6
Delivered in railway trucks at South Lambeth B.R. Western Region.				
Doulting Stone Random Blocks. Delivered London area	"		10	10
Beer Stone. Delivered London area	"		10	6
Portland Stone—				
Brown Whitbed in random blocks, 25 ft. average delivered in railway trucks at Nine Elms, B.R. Southern Region	"		9	10
Yorkshire Stone—Blue Robin Hood Quality. Delivered to site London in 6-ton lots.				
9 in. × 3 in. Rubbed, weathered, throated and stolled cills	per ft. cube	4	5	10
12 in. × 6 in. do. do. do.	"	3	1	2
12 in. × 3 in. Plain coping, twice throated	"	2	7	6
12 in. × 3 in. Weathered and twice throated coping	"	3	3	3
14 in. × 6 in. do. do. do.	"	2	17	0
4½ in. × 9 in. Plinth rubbed on top and face ...	"	2	11	0
3 in. sawn two sides Slabs, random sizes ...	per ft. sup.		9	1
Templates and Cover Stones, 3 in., 4 in. and 6 in. thick, edges coped for rendered brickwork ...	per ft. cube	1	11	3
do. do. fair one edge for fair faced brickwork	"	1	17	0
Hard York—				
12 in. × 2 in. Square Steps, rubbed on top and edge	per ft. run		11	0
14 in. × 3 in. Round-nosed Steps, rubbed on top and front	per ft. cube	2	18	3
12 in. × 6 in. Plain Steps, rubbed top and front	"	2	11	0
2 in. Rubbed and Jointed Paving, given sizes ...	per ft. sup.		10	3
2 in. Sawn Paving, edges squared, in random sizes	per yd. sup.	3	12	0

TILES AND PANTILES

Delivered London area by road in 6 tons or over per 1,000.

	£	s.	d.
Machine-made Pantiles and French pattern Tiles from Lincolnshire district	29	19	0
Hand-made Pantiles Berkshire district	55	18	0
Hand-made Double Roman Bridgwater district ...	64	4	1
Hand-made 10½ × 6½ tiles Berkshire district	15	18	3
Machine-made 10½ × 6½ Staffordshire district	15	2	6
Hand-made Hip and Valley tiles per doz.	1	11	10
Machine-made Hip and Valley tiles do.	1	10	1
Concrete tiles 10½ × 6½	8	10	0
do. Interlocking (49S)	19	16	6

NOTE.—Breakage in transit, purchasers' responsibility.

SLATES

First-quality Slates from Penrhyn or Portmadoc, carriage paid in full truck loads to London Rate station. Per 1,000 actual.

	£	s.	d.
24 × 12	150	19	7
22 × 12	122	14	2
22 × 11	110	16	4
20 × 12	103	19	1
20 × 10	99	11	6
18 × 10	69	2	6
18 × 9	60	11	9
16 × 10	54	8	10
16 × 8	42	12	4

NOTE.– Breakage in transit, purchasers' responsibility.

TIMBER

				£	s.	d.
Softwood						
Joinery quality	Ex Wharf	per standard		£115 to £140		
Carcassing quality	do.	"		£94 — £98		
1 in. Tongued and Grooved Flooring	do.	"		£110	0	0
Hardwood						
Mahogany—African S.E.	do.	per ft. cube		1	10	0
do. Honduras S.E.	do.	"		3	5	0
Oak European S.E.	do.	"		2	10	0
do. Japanese S.E.	do.	"		3	0	0
do. English Logs sawn ...	do.	"		2	0	0
Teak 8 in. average S.E. ...	do.	"		3	17	6
Walnut African Logs sawn ...	do.	"		1	2	6

DOORS (in Lots 1–11)

Delivered London area.		£	s.	d.
1½ in. 4 Horizontal Panel. Pattern 4 in. deal				
2 ft. 0 in. × 6 ft. 6 in.	each	1	16	0
2 ft. 3 in. × 6 ft. 6 in.	"	1	17	6
2 ft. 6 in. × 6 ft. 6 in.	"	1	18	6
2 ft. 9 in. × 6 ft. 6 in.	"	2	0	6
2 in. do. but top panel open. Pattern 4 × G in deal				
2 ft. 6 in. × 6 ft. 6 in.	"	2	9	0
2 ft. 9 in. × 6 ft. 6 in.	"	2	11	6
2 in. 2 Panel top panel open. Pattern 2 × G in deal				
2 ft. 6 in. × 6 ft. 6 in.	"	2	3	0
2 ft. 9 in. × 6 ft. 6 in.	"	2	5	0

SUNDRIES

Delivered London area.		£	s.	d.
1 in. Wood Wool Slabs 6 ft. 0 in. × 2 ft. 0 in. in quantities of 1 ton (89 yds. to 1 ton)	per yd.		6	2
1½ in. do. (67 yds. to 1 ton)	"		8	0
2 in. do. (52 yds. to 1 ton)	"		9	9½
2½ in. do. (45 yds. to 1 ton)	"		11	3
3 in. do. (39 yds. to 1 ton)	"		12	7½
Quantities under 1 ton add 1d. per ½ in. of thickness.				
½ in. imported insulation Board, quantities over 5,000 sq. ft.	per 100 sq. ft.	2	2	6
¼ in. Hardboard do.	"	1	17	6
3/16 in. do. do.	"	2	4	6
1/16 in. Asbestos Flat Building Sheets	per yd. sup.		4	3½
¼ in. do. do. do.	"		6	0
Roofing Felt 1-ply	"		1	9
do. 2-ply	"		2	2½
Best Scotch Glue in slabs	per ½ cwt.	5	8	0
do. pearl	"	5	8	0
Croid Glue	28 lb.	2	6	0
Cut Nails 3 in. (1-ton lots)	per ton	78	10	0
do. 4 in. and up (1-ton lots)	"	75	0	0
Wire Nails 3 in. (4-cwt. lots)	per cwt.	3	13	5
do. 4 in. and up (4-cwt. lots)	"	3	12	10

METALS

STEEL JOIST, ETC.

		£	s.	d.
Basis Joists— 6 in. × 5 in., 8 in. × 5 in., 8 in. × 6 in., 10 in. × 6 in., 12 in. × 6 in., plain cut to lengths delivered London area	per ton	47	15	0
Extra for sizes				
3 in. × 1½ in. 4 in. × 1¾ in.	"	3	10	0
3 in. × 3 in.	"	2	10	0
4 in. × 3 in.	"	2	5	0
10 in. × 4½ in.	"	1	10	0
5 in. × 2½ in. 5 in. × 3 in.	"	1	15	0
4¾ in. × 1¾ in.	"	3	5	0
5 in. × 4½ in. 7 in. × 3½ in. 13 in. × 5 in. ...	"		15	0
6 in. × 3 in. 24 in. × 7½ in.	"	2	0	0
6 in. × 4½ in. 7 in. × 4 in. 8 in. × 4 in. / 9 in. × 4 in. 10 in. × 5 in.	"	1	5	0
12 in. × 5 in. 22 in. × 7 in.	"	1	0	0
9 in. × 7 in. 10 in. × 8 in. 12 in. × 8 in. / 14 in. × 5½ in. 14 in. × 6 in. 14 in. × 8 in. / 15 in. × 5 in. 15 in. × 6 in. 16 in. × 6 in. / 16 in. × 8 in. 18 in. × 6 in. 18 in. × 7 in. / 18 in. × 8 in. 20 in. × 6½ in. 20 in. × 7½ in.	"		10	0
Steel angles average price	"	48	15	0
Steel tees average price	"	49	15	0
Fabricated work delivered London— R.S. Joists cut and fitted	"	64	15	0
Compound girders	"	69	5	0
Stanchions	"	74	15	0
Compound stanchions	"	79	5	0
In Roof Work—Trusses and Purlins	"	89	0	0
Average prices not for awkward work.				
Angle cleats and ⅝ in., ¾ in. and ⅞ in. bolts average price London area	per cwt.	5	10	0

FERRO-CONCRETE BARS

		£	s.	d.
Mild Steel Ferro-Concrete bars British manufacture to BSS785 ex London Stock 1 in. diam., and upwards	per ton	49	10	0
¾ in. diam.	per ton extra	8	12	6
11/16 in. do.	"	6	12	6
⅝ in. do.	"	4	12	6
½ in. do.	"	3	2	6
⅜ in. do.	"	1	10	0
¼ in. and ⅜ in. diam.	"		15	0

MILD STEEL TUBE

Tubes to BSS 1387—1957 and Fittings. *Revised* list prices and following discounts :

Galvanised Tube—	Under 1 ton	Over 1 ton	W.I. Fittings	Malleable Fittings
Light	−39½%	−41%	Light −26½%	Malleable List
Medium	−35½%	−37%	Heavy −22½%	−23% +40%
Heavy	−27½%	−29½%		
Black—				
Light	−50%	−51½%	Light −32½%	Malleable List
Medium	−46%	−47½%	Heavy −28½%	−23%
Heavy	−38½%	−40%		

C.I. HALF-ROUND GUTTER

Delivered London per yd. in 6 ft. lengths.	Gutters	Nozzles	Stop Ends
3 in.	4/0½	3/7	1/-
3½ in.	4/4½	3/1	1/-
4 in.	5/8	4/5	1/7
4½ in.	6/3	4/11	1/1
5 in.	6/11½	5/4	2/2

METALS—*continued*

C.I.O.G. GUTTERS

Per yd. in 6-ft. lengths :	Gutters	Nozzle	Stop Ends
3 in.	5/2½	4/8	1/3
3½ in.	5/10	4/8	1/7
4 in.	6/5	4/11	1/10
4½ in.	6/11½	5/8	2/2
5 in.	7/7½	6/5	2/6

C.I. RAIN-WATER PIPES

	Pipe	Bends	Branches
2 in.	8/7½	4/5	6/4
2½ in.	8/7½	4/11	8/6
3 in.	9/8½	6/2	9/2
3½ in.	11/0½	7/3	11/–
4 in.	12/9	8/9	13/1

L.C.C. COATED SOIL PIPE

2 in.	9/8½	7/7	9/2
2½ in.	10/4	8/5	11/5
3 in.	11/7	9/2	13/7
3½ in.	12/11½	11/5	15/10
4 in.	14/9	12/9	18/8

Above prices for gutters, rain-water and soil pipes for under 5-cwt. lots. only. Lots over 5 cwt. see List No. 3300, dated February 1, 1955, plus 25% and tonnage allowance. 4-ton lots 5%, 2-ton lots 2½%.

L.C.C. COATED DRAIN PIPES

In 9-fts.:	cwt. qt. lb.	Per yd.	Bends	Branches
4 in.	1 1 17	35/3	23/9	42/–
6 in.	2 0 1	51/7	63/9	101/–

ASBESTOS RAIN-WATER PIPES AND FITTINGS

All less 17½% discount.		2 in.	2½ in.	3 in.	4 in.
Pipes, 6-ft. lengths	per yd.	4/7	4/10½	5/11	7/10
Shoes	each	3/–	3/3	3/10	5/2
Single Branches	,,	4/8	5/6	6/7	9/2
Bends, square or obtuse	,,	3/3	3/7	4/8	6/7
Swan Necks, 4½ in. proj.	,,	3/7	4/8	5/2	7/3
do. 6 in do.	,,	3/10	5/2	5/10	7/10

ASBESTOS O.G. GUTTERS AND FITTINGS

		4 in.	4½ in.	5 in.	6 in.
Gutters, 6-ft. lengths	per yd.	4/4	4/9½	5/9	6/10½
Drop ends	each	3/6	4/–	4/9	5/5
Stop ends	,,	1/1	1/2	1/3	1/5
Angles	,,	3/7	4/1	5/–	5/10
Nozzles	,,	3/6	4/–	4/9	5/–
Union Clips	,,	1/9	2/1	2/6	2/11

ASBESTOS HALF-ROUND GUTTERS AND FITTINGS

	per	3 in.	4 in.	4½ in.	5 in.	6 in.
Gutters, 6-ft. lengths	yd.	3/0½	3/7½	3/8½	4/4½	6/1
Drop ends	each	2/6	3/–	3/3	3/7	5/2
Stop ends	,,	1/–	1/1	1/2	1/3	1/5
Angles	,,	2/10	3/3	3/7	3/10	5/2
Nozzles	,,	2/6	3/–	3/3	3/7	5/2
Union Clips	,,	1/3	1/4	1/5	1/7	2/5

	Per ton basis in London £ s. d.
Iron—Staffordshire Crown Merchant Quality	52 17 6
Mild Steel Bars	47 8 6
Mild Steel Hoops	49 0 0

	Ex Merchant's Stock per ton Two-ton lots £ s. d.
Soft Sheets C.R. and C.A.—	
20 gauge	62 7 6
24 gauge	64 17 6
26 gauge	67 17 6
Galvanised Corrguated Sheets, 6-ft. to 9-ft. —	
20 gauge	70 18 0
24 gauge	74 8 0
26 gauge	79 13 0
Galvanised Flat Sheets C.R. and C.A. :	
20 gauge	72 8 0
24 gauge	75 18 0
26 gauge	81 3 0

ALUMINIUM AND ALUMINIUM ALLOYS

(Base Prices)		£ s. d.
Sheet BS 1740 S1C 18 SWG (36 in. wide)	per lb.	3 0
Sheet BS 1470 NS3 Utility 18 SWG (36 in. wide)	,,	2 11
Coiled strip BS 1470 S1C 18 SWG (24 in. wide)	,,	2 11
Coiled strip BS 1470 NS3 Utility 18 SWG (24 in. wide)	,,	2 10½
Coiled strip for flashing, high purity, 22 SWG (12 in wide)	,,	3 1½
Corrugated sheet BS 1470 NS3 Circular Profile 8 ft. × 32 in. × 20 SWG	per sheet	1 13 6
Corrugated sheet BS 1470 NS3 Industrial Profile 8 ft. × 31¾ in. × 20 SWG	,,	1 19 3
Corrugated sheet BS 1470 NS3 Mansard Profile 8 ft. × 31¾ in. × 20 SWG	,,	1 12 7
Extruded section BS 1476 E1C simple moulding	per lb.	2 10
Extruded section BS 1476 E1C 1 in. diam. round	,,	2 7½
Extruded section BS 1476 HE10WP simple angle	,,	3 1½
Extruded section BS 1476 HE10WP 1 in. diam. round	,,	3 0½
Tubing BS 1471 T1C 1½ in. O/D × 20 SWG	,,	4 6½
Tubing BS 1471 HT19WP 1½ in. O/D × 20 SWG	,,	6 0½

PLUMBERS' BRASS WORK, etc.

Delivered in London area.

All per dozen	M.O.H. ½ in.	¾ in.	1 in.	1¼ in.	1½ in.	2 in.
Screwdown bib cocks Crutch head for iron	87/–	128/–	—	—	—	—
Toilet bib cocks for iron	109/–	158/5	—	—	—	—
Screwdown stop cocks for iron	66/–	95/9	188/–	363/–	522/6	917/6
do. with two unions for lead	89/–	132/–	234/4	472/–	623/6	1,389/6
Double nut boiler screws	18/8	26/5	47/6	48/6	67/–	93/6
Heavy Croydon ball valves	77/–	193/6	312/5	568/8	734/10	—
Plumbers' union brass lead to iron	19/6	23/6	38/6	52/10	70/6	165/–
	1¼ in.	1½ in.	2 in.	3 in.	3½ in.	4in.
Caps and Screws	33/–	40/8	59/6	92/5	118/10	155/3
Brass Sleeves	—	31/11	31/11	56/2	74/10	91/5
	1¼ × 6 lb.	1½ × 6 lb.	2 × 7 lb.	3 × 7 lb.		
Lead P. trap with brass cleaning screws	68/6	85/6	137/–	233/9		
Lead S. trap do. do.	82/9	102/9	168/3	302/3		

Solder :			s. d.
Plumbers'	1 cwt. lots	320/–	14 lb. lots per lb. 3 7
Tinmen's	,, ,,	404/–	,, ,, ,, 4 5
Blow pipe	,, ,,	407/–	,, ,, ,, 4 6

COPPER TUBES AND SHEETS

Copper tubes BSS 659/1944 on the basic price of 30¾d. per lb plus gauge and manufacturing extras as follows. Minimum quantities, 10 cwt.

	Extra d.		d.		d.
½ in. × 19 gauge	15½	Total per lb.	46½	Approx. per ft.	—
¾ in. × 19 ,,	13¾	,, ,,	44½	,, ,,	—
1 in. × 18 ,,	12¼	,, ,,	43	,, ,,	—
1¼ in. × 18 ,,	11⅝	,, ,,	42⅞	,, ,,	32¼
1½ in. × 18 ,,	11⅛	,, ,,	42⅜	,, ,,	38½
2 in. × 17 ,,	13¼	,, ,,	44	,, ,,	61½

Small Quantity extras :—

10 cwts. to 5 cwts.	plus ½d. per lb.
5 cwts. to 2 cwts.	,, 1d. ,,
2 cwts. to 1 cwt.	,, 2d. ,,

	£ s. d.
Rolled Copper sheets up to 48 in. wide, basic price plus gauge and manufacturing extras	300 0 0

ZINC

		£ s. d.
Sheet Zinc, 10 gauge (25 SWG), 5 cwt. lots upwards	per cwt.	7 15 3
,, ,, 12 gauge (23 SWG), ,, ,, ,,	,,	7 14 9
,, ,, 14 gauge (21 SWG), ,, ,, ,,	,,	7 13 6

BRASS TUBES

		£ s. d.
Brass tubes, basic price, plus gauge and manufacturing extras	per lb.	2 1½

LEAD SHEET AND PIPES

Basis selling price to one address in London or Home Counties :

		£ s. d.
Lead Sheet, English, 3½ lb. substance and upwards	per ton	115 15 0
,, Water Pipe, in coils	,,	118 0 0
Lead Soil Pipe, 10 ft. or over 2 in. to 4 in. in dia.	,,	119 10 0
,, ,, ,, over 4 in. dia.	,,	121 10 0
,, Gas or Untinned Compo pipe	,,	119 10 0

5 cwt. lots and over less 6d. per cwt. off basic prices.

Extras over Basis for quantities under 5 cwt.:		
3 cwt. and under 5 cwt.	per cwt.	4 0
1 cwt. do. 3 cwt.	,,	6 0

Smaller quantities than 1 cwt. priced specially.

Supplying sheet lead and lead pipe to less than basis weights and cutting to sizes less than basis charged extra according to current trade schedule.

Allowance for Old Lead, collected, £66 0s. 0d. per ton weighed at buyer's works.

PLASTER, etc.

		£ s. d.
Coarse Pink in 1-ton loads and over delivered on site	per ton	8 4 6
do. White do. do. do.	,,	8 14 0
Sirapite Coarse BSS 1191 Class C do.	,,	8 15 9
do. Fine do. do. do.	,,	9 3 3
do. Browning BSS 1191 Class B do.	,,	8 15 9
do. Board Finish do. do.	,,	8 15 9
Blue Lias Lime, in 6-ton loads	,,	6 14 6
Hydrated Lime (Grey), in 6-ton loads	,,	5 10 0
do. (White) do.	,,	6 0 0
Lump Lime (Grey) do.	,,	5 7 0
do. (White) do.	,,	5 14 6
White Keen's or Parian Cement, in 1-ton loads	,,	11 19 3
Pink Keen's or Parian Cement, in 1-ton loads	,,	11 14 0
Granite Chips, in 6-ton loads	,,	2 5 3
Hair	per cwt.	4 17 6
Gypsum Plaster Lath or Base Board, ⅜ in. thick, 600 yds. and over in one delivery. Delivered site	per yd.	2 3½
1,200 yds.	,,	2 2½
do. Insulating do. ⅜ in. thick, 600 yds. and over in one delivery. Delivered site	,,	2 9
1,200 yds.	,,	2 9
Gypsum Plaster Wall Boards, 3 and 4 ft. wide 6 to 12 ft., ⅜ in. thick, 600 yds, and over in one delivery. Delivered site	,,	2 6½
1,200 yds.	,,	2 5½
do. Insulating do. ⅜ in. thick, 600 yds. and over in one delivery. Delivered site	,,	3 0
1,200 yds.	,,	3 0

everyone's going

GAYMEL!

The new yellow pack has been busy making new friends for Gaymel wherever you look. And Gaymel's professional points are cementing the friendship with the Professionals to whom they really matter. Super flow from the brush, extra high opacity, light-fast in colour, and a porcelain hard grime-resisting gloss . . . no wonder everyone's going gay with GAYMEL!

BUFFER STOCKS AND STREAMLINED PRODUCTION PAY OFF

Production now geared to all time high, with laboratory control standards magnificently maintained at Gay's new plant. This coupled with new warehouses to cope with the new demand created by Gay's publicity campaign.

SUPPLIES NEED NEVER BE OUT OF STOCK

With 50 colours of the Gay range always in stock and delivered in 24 hours by streamlined delivery, and a further selection of 54 colours available at short notice, your wholesale supplier need never be out of the paint you want—GAYMEL!

GAY'S LAURELS HAVE BEEN WON DURING 60 YEARS OF LIFEBOAT SERVICE!

Remember, Gay's paints withstand the most gruelling test of all—exposure to sun, wind and sea every day and night of the year. Every RNLI lifeboat and station is kept shipshape and Bristol fashion through all weathers with GAYMEL.

POST THIS COUPON for further information about Gaymel, its supporting range of products and Gay's Technical Services. They work together to make your work easier and more profitable.

R. GAY & CO, 93/97 NEW CAVENDISH STREET, LONDON, W1

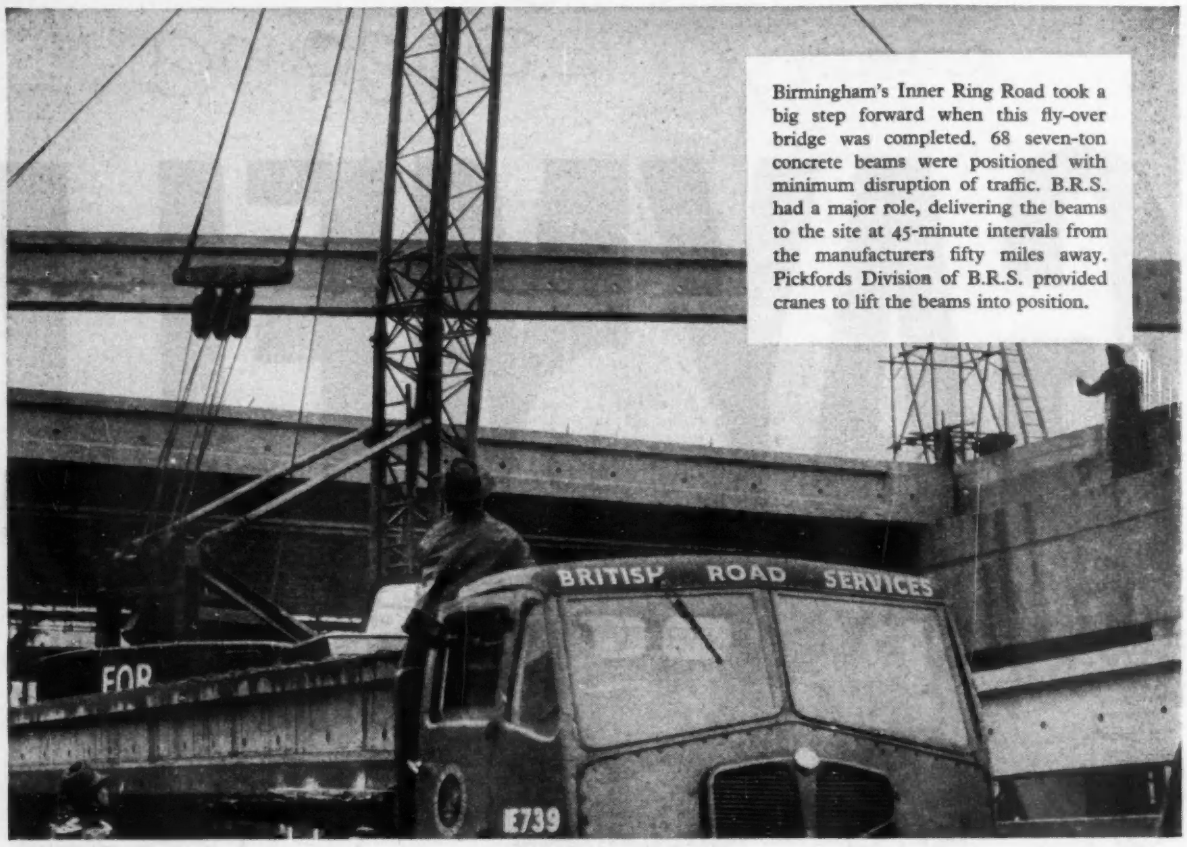
NAME .....

ADDRESS .....

.....

GAYMEL GLOSS · FLAT & EGGSHELL FINISHES · GAYMURA WALGAY, ETC.

P.J.A. PRODUCTS MADE IN GREAT BRITAIN BY R. GAY & COMPANY



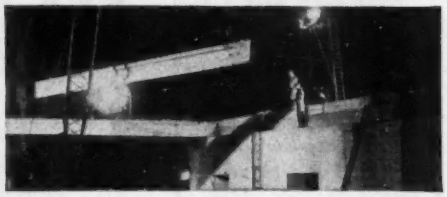
Birmingham's Inner Ring Road took a big step forward when this fly-over bridge was completed. 68 seven-ton concrete beams were positioned with minimum disruption of traffic. B.R.S. had a major role, delivering the beams to the site at 45-minute intervals from the manufacturers fifty miles away. Pickfords Division of B.R.S. provided cranes to lift the beams into position.

Teamwork completes fly-over in 57 hours!

B.R.S. BRING YOUR NEW ROADS—BY ROAD

B.R.S. Depot Manager, R. R. Cattle. Apart from complex timetabling, his work included liaison with police, briefing drivers, detailing spare crews, and dovetailing turn-rounds.

Thirteen lorries shuttled between Nottingham and Birmingham with their concrete cargoes. The 53-ft loads were carried on vehicles with bogie-trailers.



Night-work meant road below was closed only for Friday night and Sunday. Strict adherence to schedule won praise for B.R.S. from The Hoveringham Concrete Company Ltd: "We congratulate British Road Services . . . for the excellent arrangements . . . all loads arrived, without a hitch, on time".

To get things moving— get B.R.S.

YOU'LL FIND THEM IN THE 'PHONE BOOK

The construction of the Inner Ring Road is being carried out under the direction of Sir Herbert J. Manzoni, C.B.E., City Engineer and Surveyor.

PAINTS AND DISTEMPER

Delivered London area.		£	s.	d.
Ceiling Distemper	per cwt.	1	7	6
Washable Distemper	,,	5	15	0
Gloss Paint	per gal.	2	16	0
Super Snowcem cement paint (in 1 cwt. drums) ...	per cwt.	4	0	0
LEAD PRODUCTS AND OILS				
Ground White Lead, in 1 cwt. kegs	per cwt.	8	7	6
Genuine White Lead Paint, 1-19 gal. lots in 1 gal. tins	per gal.	3	6	6
Genuine Red Lead, Dry, 1 cwt. keg (10 ton lots)	per cwt.	5	12	6
do. do. do. (1 cwt. lots)	,,	6	19	0
Genuine Linseed Oil Putty, 1 cwt. keg	,,	2	12	6
Size XD quality 28 lb.	per tin		9	0
Raw Linseed Oil (5 gal.) drums extra	per gal.		19	2
Boiled Linseed Oil (5 gal.) do.	,,		20	0
SUNDRIES				
Turpentine substitute (5 gal.) drums extra... ...	,,		5	4½
do. do. (40 gal.) do.	,,		4	8½
Solignum, Brown (5 gal. cans) Exterior	,,		8	8
Creosote (40 gal. barrels)	,,		2	3
Paste Powder (1 lb. packets)	per lb.		2	4
White Lining Paper	per piece		1	2

VARNISHES, etc.

Delivered London area.		£	s.	d.
Oak Varnish, Outside or Inside	per gal.	2	0	0
Oal Pale Copal do. do.	,,	2	0	0
Hard Drying Oak for Inside	,,	2	5	0
Crystal Paper Varnish do.	,,	2	8	0
Eggshell Flat Varnish do.	,,	2	2	0
Finest Carriage Varnish	,,	2	7	0
Front Door Varnish	,,	2	4	0
Japan Gold Size	,,	1	12	0
Black Japan	,,	1	16	0
Brunswick Black	,,	1	12	0
Berlin Black	,,	1	10	0
Terebene	,,	1	12	0
Knotting (1 gal. bottles free)	,,	1	15	0
French and Brush Polish (do.)...	,,	1	15	0

GLASS

Delivered London area.		s.	d.
18 oz. Sheet Glass Ordinary Glazing Quality—			
Cut Sizes	per ft. sup.		9½
24 oz. do. do. do. do.	,,		11½
26 oz. do. do. do. do.	,,	1	2¼
32 oz. do. do. do. do.	,,	1	6¼
¼ in. Rolled Plate	,,	1	2½
7/16 in. Rolled and Rough Cast	,,	1	5
¾ in. do. do.	,,	1	5¾
¼ in. Figured Rolled and Cathedral, Standard patterns—			
White Group 1	per ft. sup.	1	2½
do. Group 2	,,	1	8¼
do. Standard Tints	,,	2	1½
do. Special Tints	,,	7	3
¼ in. Pinstripe, Hammerstripe, Reeded, Reedlyte and Luminating Group 3	,,	1	7¼
¼ in. Wired Cast	,,	1	9¼
¼ in. Georgian Wired Cast	,,	1	9½
Hollow Glass Blocks—			
P.B.2 Cross reeded 5¾ × 5¾ × 3¾ in. ...	each	3	6
P.B.3 Broad reeded 7¾ × 7¾ × 3¾ in. ...	,,	5	4
P.B.32 Cross reeded 7¾ × 7¾ × 3¾ in. ...	,,	5	4
P.B.4 Prismatic 7¾ × 7¾ × 3¾ in. ...	,,	6	0
P.B.5 Flemish 7¾ × 7¾ × 3¾ in. ...	,,	5	4
P.B.6 Boomerang 7¾ × 7¾ × 3¾ in. ...	,,	6	0
Half Size Blocks—			
P.B.32 Cross reeded 7¾ × 3¾ × 3¾ in. ...	,,	4	6
Radiused Corner Blocks to match up with—			
P.B.2 Cross reeded	,,	7	6
P.B.3 Broad reeded...	,,	9	0
P.B.32 Cross reeded	,,	9	0
P.B.2, P.B.3, P.B.32 are also supplied in Light Diffusing Blocks at same price.			
¼ in. Polished Plate Glass, G.G. quality—			
In plates not exceeding 2 ft. sup.	per ft. sup.	4	7
,, ,, ,, 5 ft. sup.	,,	5	7
,, ,, ,, 45 ft. sup.	,,	6	9
,, ,, ,, 100 ft. sup.	,,	7	4
¼ in. Polished Plate, extra sizes, *i.e.*, plates exceeding 100 ft. sup. or 160 in. one way or 96 in. both ways. G.G. quality—Not exceeding 135 ft. sup. or 240 in. one way or 130 in. both ways ...	,,	10	9
Not exceeding 180 ft. sup. or do.	,,	14	3

Plates exceeding 180 ft. sup. prices on application.
Substances other than ¼ in. Polished Plate at Special Prices.
Quantity Tariff—Sheet and Sundry Glass.

The following prices apply to minimum quantities of one size and one pattern delivered by the manufacturer to one site at one time.

Description of Glass	Minimum quantity	per ft. sup. s.	d.
18 oz. sheet O.Q.	3,000		6¼
24 oz. ,, ,, ...	2,000		8¼
26 oz. ,, ,, ...	2,000		11
32 oz. ,, ,, ...	2,000	1	2½
¼ in. Rolled Plate	1,000		10½
¼ in. Figured Rolled and Cathedral Standard Patterns, White Group 1	1,000		10½
do. Group 2	1,000	1	2
¼ in. Pinstripe, Hammerstripe, Reeded, Luminating and Spotlyte Group 3	1,000	1	2
7/16 in. Rolled Plate or Rough Cast	2,000	1	1
¾ in. do. do.	2,000	1	1¾
¼ in. Wired Cast, Hexagonal	2,000	1	4¼
¼ in. Georgian Wired Cast	2,000	1	4½

THE BUILDER RATES OF WAGES

AS FROM APRIL 18, 1960. **(Every endeavour is made to ensure accuracy but we cannot be responsible for errors.)**

KEY TO SCHEDULE OF GRADE RATES.

Grade Classification	A	A1
Craftsmen	4/11½	4/11
Labourers	4/4	4/3½

Town	*Grade*
Aberavon	A
Aberdare	A
Abergavenny	A
Abingdon	A1
Accrington	A
Addlestone	A
Afan Valley	A
Aldeburgh	A1
Aldershot District	A1
Alfreton UD	A
Alnwick UD	A
Altrincham	A
Amble	A
Ambleside	A
Amersham	A
Ammanford	A
Andover	A1
Anglesey, Isle of	A
Ardingly	A1
Arundel	A1
Ascot	A1
Ashbourne RD	A1
Ashbourne UD	A1
Ashby-de-la-Zouch UD	A
Ashby Woulds UD	A
Ashford (Kent)	A1
Ashford (Middlesex)	A
Ashington UD	A
Ashtead	A
Ashton-under-Lyne	A
Aspatria and Brayton	A
Atherstone RD	A
Attleborough	A1
Axminster	A1
Aylesbury	A1
Aylsham	A1
Bagshot	A1
Bakewell UD	A1
Banbury	A1
Bangor	A
Barnard Castle UD	A
Barnoldswick UD	A
Barnsley CB	A
Barnstaple	A1
Barrow-in-Furness	A
Barrow-upon-Soar RD (part Thrussington)	A1
Barry	A
Basford RD (ex. Willough-by-on-the-Wolds A1)	A
Basingstoke	A1
Bath	A
Batley MB	A
Baxterley	A1
Beaconsfield District	A
Bearl	A
Beccles	A1
Bedale RD	A
Bedford	A
Bedlington	A
Bedlingtonshire UD	A
Bedwas	A
Beeston & Stapleford UD	A
Belper UD	A
Belton	A
Berkhamsted	A
Berrington	A
Berwick Borough	A
Beverley MB	A
Bewdley MB	A
Bexhill-on-Sea	A1
Bideford	A1
Biggleswade	A1
Billericay	A
Billing	A
Billingham UD	A
Bilsthorpe	A
Bilston MB	A
Birchington	A1
Birkenhead	*
Birmingham CB	†A
Bishop Auckland UD	A
Bishop's Stortford	A
Bishops Castle MB	A1
Bispham	A
Blackburn	A
Blackpool	A
Blackwell RD	A
Blandford	A1
Blaydon UD	A
Blidworth	A
Blyth B.	A
Bodmin	A1
Bognor Regis	A1
Boldon UD	A
Bolsover UD	A
Bolton	A
Boston MB	A
Bourne End	A
Bournemouth District	A
Brackley MB	A1
Bracknell	A1
Bradford CB	A
Bradford-on-Avon	A1
Braintree	A1
Brandon & Byshottles UD	A
Brecon, Borough of	A1
Breconshire, County of	‡A1
Brent Knoll	A1
Brentwood	A
Bridgend	A
Bridlington MB	A
Bridlington RD	A
Bridgnorth MB	A
Bridgnorth RD	A1
Bridgwater	A1
Brierfield	A
Brighouse MB	A
Brighton & Hove	A
Bristol District	A
Broadstairs	A1
Bromsgrove UD	A
Broughton, Flint	A
Buckfastleigh	A1
Buckingham	A1
Buckley	A
Bungay	A1
Burnham-on-Crouch	A1
Burnham-on-Sea	A1
Burnley	A
Burton-on-Trent CB	A
Bury	A
Bury St. Edmunds	A1
Buxton	A
Byfleet	A1
Caernarvon	A
Caernarvonshire, Cnty. of	‡A
Calder Valley	A
Camberley District	A1
Cambridge	A
Cannock UD	A
Canterbury	A1
Cardiff	A
Cardiganshire, Cnty. of	‡A1
Carlisle	A

CURRENT RATES OF WAGES—Continued

Town	Grade
Carlton UD	A
Carmarthen—Borough of	A
Carmarthenshire, Cnty. of	A
Carnforth	A
Castleford UD	A
Caterham	A
Chapel-en-le-Frith	A
Chard	A1
Charmy Down	A
Chatham District	A
Chatteris	A1
Cheadle (Staffs) RD	A
Chelmsford	A
Cheltenham	A
Chepstow	A
Chertsey	A
Chester	A
Chester-le-Street UD	A
Chesterfield MB	A
Chesterfield RD	A
Chichester	A1
Chipping Norton	A1
Chipping Sodbury	A1
Chippenham (inc. Chippenham Within and Hardenhuish)	A1
Chorley	A
Cirencester	A1
Clacton	A1
Clay Cross UD	A
Cleethorpes MB	A
Clevedon	A1
Cleveleys	A
Clitheroe	A
Coalville UD	A
Cobham (Surrey)	A
Colchester	A
Colne	A
Colwyn Bay	A
Congleton	A
Consett UD	A
Conway	A
Corby UD	A
Cornwall, County of	‡A1
Corsham District	A
Coventry CB	A
Cranbrook	A1
Cranleigh	A1
Cranwell Aerodrome Site	A
Crawley	A
Crewe	A
Crewkerne	A1
Cromer	A1
Crook and Willington UD	A
Crowborough	A1
Cuckfield	A1
Cwmbran	A
Dalton-in-Furness	A
Darlington CB	A
Dartmouth	A1
Darwen	A
Daventry MB	A
Deal	A1
Denbigh Town	A
Derby CB	A
Devizes	A1
Devon, County of	‡A1
Dewsbury CB	A
Didcot	A1
Diss	A1
Doncaster CB	A
Dorchester	A1
Dorking	A
Dorset, County of	A1
Dover	A1
Dovercourt	A
Driffield UD	A1
Drigg & Carleton	A
Droitwich MB	A
Dudley CB	A
Dunstable	A
Durham B	A
Eastbourne	A
E. Glam. & Mon. Val.	A
East Grinstead District	A1
East Kesteven RD	A1
East Retford MB	A
Eastwood (Notts) UD	A
Ebbw Vale & District	A
Edenbridge	A1
Ely	A1
Epping	A
Evesham MB	A1
Exeter	A
Exmouth	A1
Fakenham	A1
Falmouth	A1
Fareham	A
Faversham	A1
Felixstowe	A1
Filey UD	A
Fleetwood	A
Flint MB	A
Folkestone	A1
Frinton	A1
Frome	A1
Gainsborough UD	A
Gateshead CB	A
Gillingham (Dorset)	A1
Gillingham (Kent)	A
Glastonbury & Street	A1
Glossop	A
Gloucester	A
Gloucestershire, Cnty. of	‡A1
Godalming	A1
Goole, MB	A
Goole RD	A
Gosport	A
Grantham MB	A
Gravesend	A
Great Yarmouth	A
Grimsby CB	A
Grimsby RD (part)	A1
Guildford District	A1
Halesowen MB	A
Halifax CB	A
Halstead	A1
Haresfield	A1
Harlow	A
Harpenden	A
Harrogate MB	A
Hartlepool B	A
Harwell	A1
Harwich	A
Haslemere	A1
Hastings	A1
Hatfield (Herts)	A
Havant	A
Haywards Heath	A1
Heanor UD	A
Hemel Hempstead	A
Henley-on-Thames	A1
Hereford	A1
Herefordshire, Cnty. of	‡A1
Herne Bay	A1
Hertford	A
Hexham RD	A
Hexham UD	A
Heysham	A
Heywood	A
Higham Ferrers MB	A
High Wycombe	A
Hinckley UD	A
Hitchin	A
Hoddesdon	A
Holywell	A
Horley	A1
Horncastle UD	A1
Horsham	A1
Horwich	A
Huddersfield CB	A
Hull	A
Hunstanton	A1
Huntington (Staffs)	A
Ilfracombe	A1
Ilkeston MB	A
Ilkley UD	A
Ipswich	A
Isle of Sheppey	A1
Isle of Thanet	A1
Isle of Wight	A1
Jarrow B	A
Keighley MB	A
Kendal	A
Kenilworth UD	A
Kettering MB	A
Keynsham	A
Kidderminster MB	A
Kingskerswell	A1
King's Lynn	A1
Kingsteignton	A1
Kirkham	A
Knaresborough UD	A
Knutsford	A
Lancaster	A
Leamington MB	A
Leatherhead	A
Leeds CB	A
Leek UD	A
Leicester CB	A
Leighton Buzzard	A1
Leiston	A1
Leominster	A1
Letchworth	A
Lewes	A1
Lichfield MB	A
Lincoln CB	A
Liskeard	A1
Littlehampton	A1
Liverpool	*
Llandudno	A
Llanelly (inc. Llanelly RD)	A
Llanfairechan	A
Llangollen	A
London	*
Long Eaton	A
Looe	A1
Loughborough MB	A
Louth MB	A1
Lowestoft	A
Loxton	A1
Ludlow MB	A1
Ludlow RD	A1
Luton	A
Lyme Regis	A1
Lyneham (Devon)	A1
Lytham	A
Macclesfield	A
Maidenhead	A
Maidstone	A
Maldon (Essex)	A1
Maltby UD	A
Malton UD	A1
Malvern UD	A
Manchester	A
Manningtree	A1
Mansfield MB	A
March	A1
Margate	A1
Market Harborough RD	A1
Market Harborough UD	A
Market Rasen UD	A1
Martock	A1
Maryport	A
Matlock UD	A
Melksham	A1
Melton Mowbray UD	A
Merionethshire	A
Merthyr	A
Mexborough UD	A
Middlesbrough CB	A
Middleton	A
Middlewich	A
Mildenhall	A1
Milford Haven UD	A1
Minehead	A1
Monmouth—Borough of	A
Monmouthshire	A
Morecambe	A
Moreton Valence	A1
Morley	A
Morpeth B	A
Morpeth RD	A
Mundesley	A1
Nantwich	A
Neath & Valley	A
Nelson	A
Newark MB	A
Newbury	A1
Newcastle-upon-Tyne CB	A
Newcastle-under-Lyme	A
New Forest District	A1
Newmarket	A1
Newport, Mon.	A
Newport Pagnell	A1
Newquay	A1
Newton Abbott	A1
Normanton UD	A
Northallerton District	A
Northallerton UD	A
Northampton CB	A
North Shields	A
North Walsham	A1
Northwich	A
Norton Radstock	A1
Norwich	A
Nottingham CB	A
Nuneaton MB	A
Oakham RD	A1
Oakham UD	A1
Okehampton	A1
Oldham	A
Ongar	A
Ormskirk	A
Ossett & Horbury	A
Oswestry	A
Oundle UD	A1
Oxford	A
Oxted	A1
Padstow	A1
Paignton	A1
Par	A1
Pembrokeshire	A
Penmaenmawr	A
Penrith UD	A
Penzance	A1
Peterborough, Soke of (Eastern Regional portion)	A1
Petersfield	A1
Pickering	A
Plymouth	A
Pontefract MB	A
Pontypool & District	A
Pontypridd District	A
Porthcawl	A
Portishead	A
Portland Bill	A1
Portsmouth	A
Port Talbot	A
Preston	A
Princetown	A1
Pudsey MB	A
Pulborough	A1
Radnorshire, County of	‡A1
Ramsgate	A1
Raunds UD	A
Rayleigh	A
Reading	A
Redcar B	A
Redditch UD	A
Redhill & Reigate	A
Rhondda Valley	A
Richmond B (Yorks.)	A
Ripon MB	A
Rochdale	A
Rochester	A
Ross-on-Wye	A1
Rossendale Valley	A
Rotherham CB	A
Royston	A1
Rugby MB	A
Rugeley UD	A1
Rushden UD	A
Saffron Walden	A1
St. Albans	A
St. Austell	A1
St. Helens	A
St. Neots	A1
Salisbury City	A1
Salisbury Plain	A1
Sandy	A1
Sawbridgeworth	A
Saxmundham	A1
Scarborough MB	A
Scunthorpe MB	A
Seaford & Newhaven	A1
Selby UD	A
Sevenoaks	A
Shaftesbury	A1
Sheerness	A1
Sheffield MB	A
Shepton Mallet	A1
Sherborne	A1
Shipley	A
Shoeburyness	A
Shoreham	A
Shrewsbury MB	A
Sirhowy Valleys	A
Sittingbourne	A1
Skegness UD	A1
Skipton UD	A
Sleaford UD	A
Slough, Windsor & Eton District	A
Smethwick CB	†A
Smettisham	A1
Solihull B	A
Somerset, County of	‡A1
Southampton & Eastleigh	A
Southend-on-Sea District	A
Southport	A
South Shields CB	A
Southwold	A1
Spalding UD	A1
Stafford MB	A
Staines	A
Stamford MB	A
Stantonwick	A
Stevenage	A
Stockport	A
Stockton RD	A
Stockton-on-Tees B	A
Stoke-on-Trent CB	A
Stoke Orchard	A1
Stourbridge MB	A
Stouport UD	A
Stowmarket	A1
Stratford-on-Avon MB	A
Stroud (RD Area)	A1
Sunderland CB	A
Sunningdale	A1
Sutton Coldfield MB	A
Swadlincote UD	A
Swaffham	A1
Swanage District	A1
Swansea	A
Swindon District	A
Swinton UD	A
Tamworth MB	A
Taunton	A1
Tavistock	A1
Tenterden	A1
Teignmouth	A1
Tewkesbury	A1
Thames Haven	A
Thetford	A1
Thirsk RD	A
Thorpe Bay	A
Thurrock UDC (including Tilbury, Grays and the area north to Billericay)	A
Todmorden MB	A
Tonbridge	A1
Torquay	A1
Totnes	A1
Tring	A1
Trowbridge	A1
Truro	A1
Tunbridge Wells	A1
Tynemouth CB	A
Ulverston	A
Uppington (Salop)	A1
Uttoxeter RD	A1
Uttoxeter UD	A1
Wakefield CB	A
Wakefield RD	A
Walsall CB	A
Wallsend B	A
Walsden	A
Walton-on-Naze	A1
Ware	A
Warminster	A1
Warrington	A
Warwick MB	A
Wednesbury MB	A
Wellingborough UD	A
Wellington UD	A
Wellington (Somerset)	A1
Wells (Norfolk)	A1
Wells (Somerset)	A1
Welwyn	A
Welwyn Garden City	A
West Bromwich CB	A
Westbury	A1
Westcliff-on-Sea	A
Westerham	A1
West Hartlepool CB	A
Westmorland	A
Weston-super-Mare	A1
Weybridge	A
Weymouth (incl. Portland Bill, excl. Portland Stoneyards)	A1
Whitby UD	A1
Whitby RD	A1
Whitehaven	A
Whitley & Monkseaton UD	A
Whitstable & District	A1
Wickford	A
Widnes	A
Wigan	A
Wigton	A
Wilmslow	A
Wiltshire, County of	‡A1
Wimborne	A1
Wincanton	A1
Winchester	A1
Windermere	A
Wisbech	A1
Witham	A1
Withernsea UD	A
Woking	A1
Wokingham	A1
Wolverhampton CB	A
Wolverton District	A1
Woodbridge	A1
Woodhall Spa UD	A1
Woodstock	A1
Worcester CB	A
Workington	A
Worksop MB	A
Worthing	A1
Wrexham (incl. Cefn)	A
Wroughton	A1
Wylam	A
Wymondham	A1
Yate	A1
Yeovil Borough	A1
York CB	A
Ystalyfera	A

* For Birkenhead, Liverpool and London the rates are :—Craftsmen, 5s. 1d. ; Labourers, 4s. 5½d. In the case of London the rate beyond the 12-mile radius is : Craftsmen, 5s. 0½d. ; Labourers, 4s. 5d. † Plus 4d. per working day. ‡ This is the County rate and applies except where higher grades are stated.

NOTE.—Carpenters and Joiners providing own tools when employed in establishments operating under the Supplementary Rules for Woodworking Factories and Shops receive 2d. per day ; when employed on other building industry work, 4d. per day.

WOMEN'S RATES.—In all districts throughout the country the rate of wages for women engaged in craft processes is 4s. 1d. per hour. Women engaged on work other than craft processes, 3s. 9d. per hour.

For Building Trade Wages in Scotland, see page 894

'ULTRA' OVERHEAD DOOR GEAR

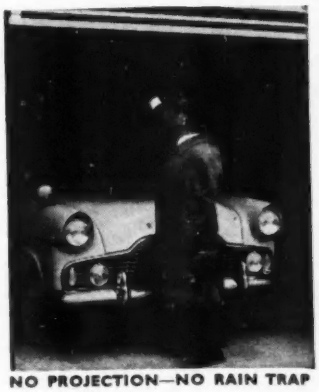
by

Henderson

Designed by the Chief Architect Planner Basildon Development Corporation.
Nominated Architects: Phase 2 Infilling Contract: Messrs. Burles & Newton, A./A.R.I.B.A.
Contractors: Messrs. W. & C. French Ltd.

Selected for GARAGES OF DISTINCTION

Set 150 with a FIRST QUALITY TIMBER DOOR *8 ft. wide x 7 ft. high for under* £20 . 0 . 0



NO PROJECTION—NO RAIN TRAP

With 7 ft. wide quality **STANDARD DOORS** *from* UNDER £18 . 0 . 0

Specify quiet TIMBER doors with 'Henderson' Ultra Overhead Gear. They are the perfect combination for every garage and for ranges of lock-ups.

NO projection when up and open—no rain traps.
NO rust and minimum maintenance.
Nice to handle, smooth, secure.
No clanging—no drumming noises.
Nylon wheels, quiet easy action.
Easy to fix and balance precisely.

Request List OD.

LARGEST RANGE OF STANDARD BOXED DOOR SETS

4 STANDARD SETS OF GEAR	Height of Door		Weight of Door		PRICE PER SET
	Min.	Max.	Min.	Max.	
'ULTRA' 140	5' 11"	6' 6"	40 lb.	140 lb.	£10 18 9
'ULTRA' 150	6' 3"	7' 0"	70 lb.	150 lb.	£10 18 9
'ULTRA' 210	6' 9"	7' 6"	90 lb.	210 lb.	£11 12 6
'ULTRAMATIC' 180	—	—	—	—	—

Espagnolette Locking 36/6. *Door braces (if required) 8/6 pair.*

DESPATCH FROM STOCK

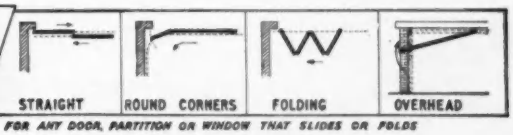
Qualified Technical Representatives wait upon you if required (without obligation) in all areas.

ORDER IN GOOD TIME Please

Works Holiday:
July 29—Aug. 15

For 40 Years

Henderson
SLIDING DOOR GEAR



FOR ANY DOOR, PARTITION OR WINDOW THAT SLIDES OR FOLDS

P. C. HENDERSON LIMITED · ROMFORD · ESSEX · Telephone: Ingrebourne 41111 (dial IL4)

H150

Hollow-tile floors and roofs by

KLEINE

—as NOMINATED Sub-Contractors

Photograph by "Crawley and District Observer"

CRAWLEY NEW TOWN

In Crawley New Town, over 51,000 square yards (or nearly 11 acres) of Kleine Hollow-tile Floors and Roofs were incorporated in constructing shops, offices and flats seen in this photograph and in three Neighbourhood Centres outside the Town.

Architect: H. S. Howgrave Graham, Esq., A.R.I.B.A., A.M.T.P.I.
Chief Architect, Crawley Development Corporation

KLEINE IN CONCRETE SINCE 1905

THE KLEINE CO., 9-13 GEORGE STREET, MANCHESTER SQUARE, LONDON, W.1
Branches at Manchester, Birmingham, Newcastle, Bristol, Southampton and Glasgow

TECHNICAL REVIEW

This Review of plant, equipment and materials—in most cases new or with new features—is intended to give brief details only of the products mentioned. Notices are based on data supplied by the manufacturers. Additional information and prices can be obtained either direct or by using the prepaid Readers' Service form which appears on page 151 of this issue. The form can be used for more than one inquiry.

1. Transport

The forward control 'F.G.' cab is one of the features of the new Morris Commercial 1½-ton truck

Production has started on a new 1½-ton COMMERCIAL TRUCK in which a good deal of attention has been paid to the driver's cab. The doors are forward opening and set at an angle to the rear, an arrangement that leaves room for a large rubber-covered step behind the wheel arch. Ample window space at the back gives good rear vision and the front vision has also been improved on former models. Triangular quarter lights are fitted with a rear portion which opens for ventilation. In each door there is a balance drop window. The driver's seat adjusts both vertically and horizontally whilst the instrument panel is positioned directly in line with the steering and the driver, and is cowled to prevent reflections of the instrument lighting in the windscreen. The panel includes a speedometer, oil pressure gauge, ammeter and fuel gauge, and a no-charge warning lamp.

The Nuffield Organisation, Cowley, Oxford.

2. Heating

A new ACCELERATOR for small bore forced circulation central heating has two interesting features. One is the incorporation in the pump of a scale-free filter which, by its self-cleaning action, ensures that the sleeve bearings receive a constant supply of clean filtered water during operation. This should lengthen the bearing life and, at the same time, obviate the need for oil and grease. The second feature is that the current consumed is the same as for a small electric light bulb.

The accelerator can handle water up to 270 degrees F. although normal operating temperatures are below 200 degrees F. A capacitor start and run motor is used to ensure silence and freedom from vibration. The casing is made of close grained cast iron, the shaft of stainless steel and the bearing housing of aluminium alloy. The accelerator weighs only 15 lb.

Lee, Howl & Co., Ltd., Tipton, Staffs.

3. Sealing Joints

A new synthetic rubber JOINT SEALING STRIP, used successfully for some time in the USA and Canada, is now being marketed in this country. It provides an effective waterproof seal in joints where tolerances can be closely controlled, being mainly used as a glazing or spacer seal. Composed entirely of solids, it will not shrink, is non-inflammable and non-toxic, and will not craze plastic surfaces. In laboratory tests, the sealing strip has absorbed 2.5 lb. per sq. in. under compression for 24 hours and recovered completely in the same time. These tests have also indicated excellent resistance to fungal attack. It is available in multi-strip form in a wide range of pre-formed sections and sizes. Adherence to most building surfaces can be obtained under light pressure.

Minnesota Mining & Manufacturing Co., Ltd., 3M House, Wigmore-st., W1.

4. Contractors' Plant

A danger involved in the use of CARTRIDGE TOOLS is that the operator may unknowingly fire into insubstantial materials and cause accidents through the over-penetration of fasteners. We now learn of a device known as 'Flite-Chek' which could eliminate the accident rate for this type of equipment. It takes the form of a vice-like attachment which comprises a pair of hardened steel jaws through which each fastener is fired. Any fastener which over penetrates, or attempts to ricochet, is immediately caught and held by the attachment. Fitted into the barrel chamber is a small steel piston which acts as an automatic brake on any over-driven fastener. It is claimed that an operator, with or without fixing experience, cannot use the tool in a manner which could cause an accident.

Ramset Fasteners Ltd., 788a Finchley-road, London, NW11.

Some Recent Technical Publications

When modern under-floor heating is installed with solid ground floor construction some measure has to be taken to prevent rising moisture vapour from damaging floor coverings. This problem is spot-lighted by the TRETOL GROUP who have issued new specification sheets relating to the combined use of bitumen membranes and 'Insu-Pak,' which is used for perimeter installation. Insu-Pak, which has only recently become available in this country, possesses good thermal efficiency and is unaffected by water or moisture vapour. The combination of these two materials provides complete insulation between concrete floors and footings while at the same time ensuring that ground floor construction is made completely proof against rising moisture vapour.

Copies of the new specification sheets may be obtained from Tretol Ltd., The Hyde, London, NW9.

The wide range and the economical working of gas central heating systems in professional and commercial fields are emphasised in a new booklet issued by the GAS COUNCIL. Entitled 'Automatic Comfort for Customer and Staff,' it deals with central heating by gas for shops and offices. Examples of running costs in various districts, together with details of actual installations, are given. The gas heating methods described are hot water radiator systems, fanned warmed air heating, and balanced flue units.

Copies of this booklet are obtainable from Area Gas Boards' showrooms.

A new overseas handbook on the Evode cold-applied, built-up ROOF WATERPROOFING SYSTEMS has been produced. It covers the uses of the Evode systems in all types of roof, under all climatic conditions, and is equally applicable for the largest installations to the smallest everyday maintenance jobs.

Issued by Evode, Ltd., of Stafford, the book is available on application.

News in Brief

Accidents in Building

THE CURRENT issue of the Ministry of Labour's quarterly publication 'Accidents' (HMSO, price 1s. 3d.), describes six typical accidents in building and constructional work based on reports notified to HM Factory Inspectorate. Each description points out the reasons for the occurrence and suggests methods of prevention. The journal is freely illustrated with diagrams and half-tones. It is significant that in the statistics table, which shows the numbers of persons killed and injured as a result of accidents notified during the quarter ended December 31 last year, the building industry shows by far the greatest number of fatalities.

The Late Mr. A. Blackstock

THE death has occurred of Mr. A. Blackstock, latterly joint managing director of Langley London Ltd.

Rubber Flooring Manufacturers

AT THE annual general meeting of the British Rubber Flooring Manufacturers' Association, held on April 28, Mr. B. M. Fawkes (Rubberware Ltd.) was elected chairman and Mr. T. Thirley (Runnymede Rubber Co. Ltd.), vice-chairman.

Northern Clerks of Works

THE NORTHERN Chapter of the Institute of Clerks of Works of Great Britain Incorporated will hold its annual general meeting and annual dinner at the Hotel Metropole, Leeds, on Saturday, May 28. Principal guests at the dinner will include Mr. Allan Johnson, FRIBA, and Mr. J. R. Sheridan-Shedden, FRIBA. Members' application for tickets should be made as early as possible to the Honorary Chapter Secretary, Mr. J. Hirst, 9 Willowfield-crescent, Five Lane Ends, Bradford, 2.

Admiralty's Apology

HAILSHAM (SUSSEX) RURAL COUNCIL, which recently complained to the First Lord of the Admiralty that a block of lavatories and a clubhouse for the sports and social club of the Royal Observatory had been put up in the grounds of Herstmonceux Castle without planning permission, was told at its meeting on April 27 that the Admiralty 'greatly regretted' the apparent lack of consultation, and had given an assurance that it wished to co-operate with the council in all matters of mutual concern.

Theory of Shell Structures

IN A REPORT entitled 'The Analysis of Hyperbolic Paraboloid Shells' published by the Timber Development Association, Mr. H. Tottenham, MA, examines the nature of hyperbolic parabolic shells. The author states that a shallow right hyperbolic paraboloid shell may be considered as a membrane undergoing finite deflection. The displacements and forces are found to be related by two simultaneous non-linear differential equations. Two methods of solving these equations are suggested. Copies of the report (E/RR/5) may be obtained from the Association at 21 College Hill, London, EC4, price 3s. 6d. per copy.

Open Borstal for Shaftesbury

THE GOVERNMENT have approved a proposal by the Prison Commissioners to establish an open borstal for approximately 250 boys at a disused military hospital at Shaftesbury, Dorset. The proposal was the subject of a public local inquiry held on November 11 and 12, 1959.

In his report to the Minister of Housing and Local Government, the Inspector who held the inquiry recommended that the proposal be approved in principle subject to details of the layout and design of new married quarters and an associated scheme of landscaping being drawn up in agreement with the local planning authority.

Personal Column

MR. R. DAVIS has been appointed managing director of Diespeker & Co. Ltd.

Following a recent board meeting of Formica Ltd., MR. A. G. NORMAN announced that he had relinquished the chairmanship of the company. He is succeeded by MR. G. G. RIDDICK.

MR. WILLIAM CUNNINGHAM, 21 Oxford Court, Queen's-dr., London, W3 (a partner in Messrs. Knight, Frank & Rutley, 20 Hanover-sq., W1), has been appointed a director of Midhurst Whites Ltd.

MR. R. D. PULLMAN has been appointed building and engineering buyer for Boots Pure Drug Co. Ltd. He succeeds MR. C. H. TOMLINSON, who has retired.

Following the purchase by Acrow (Engineers) Ltd. of the share capital of Thos. Storey (Engineers) Ltd., MESSRS. W. A. BEST and L. CUTHBERT, of Acrow, have joined the Board of Thos. Storey, and MR. J. HOLMES, London sales manager of Thos. Storey (Engineers) Ltd., has become export director.

Bambergers Ltd. announce that MR. H. R. WOODBURN BAMBERGER, acting upon medical advice, has decided to resign from the office of chairman of the company, but has agreed to continue to act as a director. MR. C. D. WOODBURN-BAMBERGER has been elected to succeed him as chairman and will continue, in addition, to act as a joint managing director.

Formica Ltd. have established a marketing department. The new department, which will be responsible to the home sales director (MR. R. C. ROBERTS), is now in operation. Manager of the marketing dept. is MR. P. J. HALLBERY.

MR. W. L. MARCHANT, managing director of Tersons Ltd., has been appointed to the board of directors of The Power Securities Corporation Ltd.

British Resin Products Ltd. announce that MR. G. F. PRESCOTT has been appointed a director of the company.

MR. W. F. AMIES is to succeed MR. C. V. OLIVER as chief executive of the Reed Group's converted products division, and is appointed to the board of The Key Engineering Co. Ltd., Larkfield, nr. Maidstone, Kent.

After many years' service with the Shap Granite Co. Ltd., Shap, Westmorland, MR. J. W. MILLRAY retired recently from active duties, but will still continue to be a member of the board and act in an advisory capacity.

John Laing & Son Ltd. announce the appointment to the board of directors as from May 2 of MESSRS. J. W. CHARNLEY and J. J. G. MICHIE.

Official Notifications

Local Employment Act and Industrial Estates

THE BOARD OF TRADE has made two Orders under the Local Employment Act, 1960, which received the Royal Assent on March 22.

One Order, published as SI 1960 No. 562 (C.5) (HMSO, price 2d.) fixed the day on which the Act was to come into operation as April 1, 1960.

The second, published as SI 1960 No. 563 (HMSO, price 3d.), provides for the appointment of the members of the Industrial Estates Management Corporations established under the Act and their terms of office; it also deals with certain technical matters relating to the Corporations.

A third, made under the Town and Country Planning Act, 1947, and published as SI 1960 No. 560 (HMSO, price 2d.), revokes SI 1025 of 1949, but continues the provision in it that all classes of industrial building require an Industrial Development Certificate. The further provisions of SI 1025 relating to extensions are no longer necessary, as the piecemeal development of industrial sites is dealt with in Section 19 of the Local Employment Act.

A fourth, made under the Town and Country Planning (Scotland) Act, 1947, and published as SI 1960 No. 561 (HMSO, price 2d.), revokes SI 1026 (S.67) of 1949 and produces for Scotland a similar effect to SI 1960 No. 560 mentioned above.

There are three Industrial Estates Management Corporations, one for England, one for Scotland and one for Wales. These Corporations will be responsible for managing Board of Trade industrial property, including the properties of the previous industrial estate companies. The chairmen are: England, Mr. S. A. Sadler Forster; Scotland, Sir Robert Maclean; Wales, Captain H. Leighton Davies.

Import Duty Drawback on Plywood

THE TREASURY have made the import Duty Drawbacks (No. 5) Order, 1960, which came into operation on April 26 (published as SI 1960, No. 738). This order (among other things) enlarges the description of imported plywood qualifying for drawback when used in making flush doors for export.

Company News

W. C. YOUNGMAN LTD. have acquired, for cash, the whole of the share capital of Redhill Bodybuilding Industries Ltd., and RBI (Stockists) Ltd., both of Stephenson-way, Three Bridges, Sussex.

THE RUBEROID CO. LTD. recommend the payment of a final dividend of 11 per cent (less tax) on the ordinary shares of the company for the year ended January 3, 1960.

BABCOCK & WILCOCK LTD. recommend the payment of a final dividend on the ordinary stock of 4½ per cent for the year ended December 31, 1959 (less tax) at 7s. 9d. in the £. Dividend payable June 2 next.

BOULTON & PAUL LTD. recommend payment of a final dividend of 12½ per cent (less tax) on the ordinary shares of the company for the year ended September 30, 1959.

ACROW UP-and-OVER GARAGE DOORS

Luxury doors at the RIGHT PRICE!

* For new garages, or making old ones up-to-date
* Fitting can be used with metal doors or timber
* We supply fittings separately or metal doors with fittings

Send now for fully descriptive literature

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Branches at: Birmingham, Bristol, Cardiff, Glasgow, Leeds, Liverpool, Manchester, Newcastle, Saffron Walden, Southampton

CONCRETE ROADS

Are you interested in saving at least **25%** *of the cost?*

Send for important information on

The METTEXTURE PROCESS

—the patented mechanical method of hacking old and damaged concrete to a precise depth, and providing an evenly keyed sub surface to receive new topping

provides equipment and trained operators in any locality.

ESTIMATES FREE

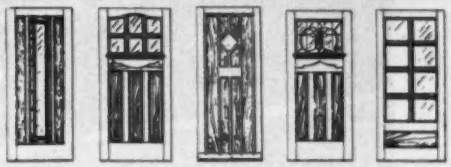
The Mettexture Service

The METROPOLITAN CONSTRUCTION CO. LTD.

10/13, Newgate Street, London, E.C.1. City 1488.

BRYCE WHITE STOCK

SCORES OF DOORS



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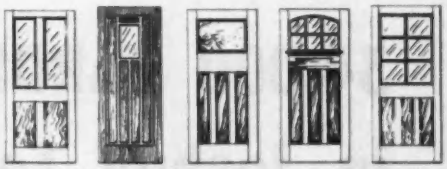

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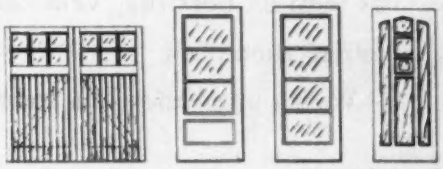

Design B 80 50 212 Oak

For every purpose, for every opening—for the home, for the office, Bryce White can supply the ideal door: flush doors, panelled doors, garage doors and gates too.

Apart from their remarkably wide range of over 40 designs in stock, Bryce White can manufacture any style of door that is specifically required and, at every stage, customers receive our prompt and personal service. See the Bryce White permanent exhibition at Building Centre, Store Street, London, W.1 and write for our new fully illustrated literature.

MAIN DISTRIBUTORS OF 'WEYROC'

BRYCE WHITE *and Company, Limited.*

Deseronto Wharf, Langley, Slough, Bucks.
Telephone: Langley 232
Also at Southampton · Bristol · London

Canteen and office blocks

34,000 YARDS of cable in Joshua Tetley's new premises

The new premises of Joshua Tetley and Son Limited at Herries Road, Sheffield comprise stores, offices, transport garage, as well as bottling, ventilation and refrigeration plant.

Wiring installation was undertaken by the Vector Electrical Company Limited of Sheffield, with 34,000 yards of BICC Cable. This included large quantities of P.V.C. Insulated Cable for general wiring, in addition to Mineral, Paper, and Rubber Insulated Cable for mains and plant wiring.

Cask and bottling stores loading bay

BICC

WIRING CABLES

for every type of installation

BRITISH INSULATED CALLENDER'S CABLES LIMITED 21 BLOOMSBURY STREET LONDON WC1

Trade News

The Sanderson Showrooms

CARPETS and specialist furniture installed in the new showrooms and offices for Arthur Sanderson of Berners-street ('The Builder' of April 8) were supplied by Waring & Gillow Ltd. The furniture was made to the designs of Mr. Beverley Pick.

Pitch Fibre Pipe

THE PITCH FIBRE PIPE ASSOCIATION of Great Britain announces that Flexpipe Ltd., a company of the Bowater Organisation, has become a member.

Demonstration Unit

A MOBILE DEMONSTRATION UNIT has been formed by Broads Manufacturing Co., Ltd., of 4 South Wharf, London, W2, to demonstrate their brick handling equipment. It is available to visit any contractor in England and Wales on request.

Acquisition

DENTON EDWARDS PAINTS LTD., of Abbey-road, Barking, Essex has acquired the whole of the share capital of Amalgamated Paints (London) Ltd., which, from March 1, became a division of the parent company.

Six New Shades

GEORGE LILLINGTON AND CO. LTD., of Willow-lane, Mitcham, Surrey, are now supplying their Veloid emulsion paint in six new shades: mimosa, lilac, Bordeaux red, coral, blush pink and ocean blue.

New Subsidiary Company

EXPANDITE ADHESIVES LTD., a subsidiary company within the Expandite Group, has been formed to manufacture and market a range of adhesives. The main emphasis will be on adhesives for the building, civil engineering and metal fabrication and assembly industries. The company will operate from office and factory premises at Birchley-st., St. Helens, Lancashire.

Two Boiler Companies Acquired

ALLIED IRONFOUNDERS LTD., manufacturers of heating and cooking appliances, have acquired two companies producing boilers for domestic, commercial and industrial heating. The companies are Watts Metal Industries Ltd., of Lydney, Gloucestershire, and Frederick Kay (Engineering) Ltd., of Chesham, Bucks.

Collins' Music Hall Bought

DUE TO EXPANSION of business, C. F. Anderson & Son Ltd., timber and wallboard importers, have bought Collins' Music Hall. With the approval of the LCC the newly acquired premises will become a timber store and it is probable that the remainder will be fitted as offices.

Diesel Power Option

VAUXHALL MOTORS LTD. announce that the Bedford R type four-wheel drive chassis, hitherto available only with the 6-cylinder petrol engine, can now be supplied with the Bedford 6-cylinder, 97 BHP, 300 cu. in. diesel engine as a factory-installed option.

Dumper Agents

CHAMBERLAIN PLANT LTD. have been appointed agents for the Thwaites dumpers, a full range of which is available from their showrooms at Crown Works, Southbury-road, Enfield, Middlesex.

Agency for Air Compressors

AIR PUMPS LTD. have announced the appointment of the Building Equipment Division of Scaffolding (Great Britain) Ltd., of Mitcham, Surrey, as sole selling agents for the entire range of their air compressors in Kent, Surrey and Sussex.

Bristol Distributor

KANGO ELECTRIC HAMMERS LTD. have appointed Fred Males & Co. of 389 Two Mile Hill-rd., Kingswood, Bristol, as their main distributor in that area.

Land Purchase

STRAMIT BOARDS LTD., whose factory premises are on the Tomo Industrial Estate in Stowmarket, Suffolk, have recently purchased an additional 6½ acres of freehold land and they now own the entire 20 acres of the Industrial Estate.

Literature on Lighting Fittings

RECENTLY MAILED to the retail side of the electrical trade, including dealers, contractors and electricity boards, is a new broadsheet dealing with Philips Bi-Pin fluorescent fittings, polyester-filled ballasts and rotor type lampholders. It gives full details of the range, a complete list of type numbers and prices, and the whole of the centre spread is devoted to illustrations of the various types of fittings available. Copies may be obtained from the regional and branch offices of Philips Electrical Ltd.

YOUR
TIMBER
MERCHANT
will tell you
about
ROYAL
RMML

New Patterns

FORMICA LTD. announce the addition of eleven new colour patterns to their standard range of Formica Decorative Laminates. This brings the total number of available patterns up to nearly sixty.

OVERSEAS BUILDING

From Our Own Correspondents

AFRICA.—A grant of £900,000 towards the cost of the £2.3m. first phase of a water supply scheme for Blantyre and Limbe in NYASALAND has been made under the Colonial Development and Welfare Acts. This is one of 139 grants, including 34 for research, approved during March, making available £6,347,943 for schemes to benefit Britain's overseas territories. Among the grants for development of educational facilities which totalled £1.39m., were: £360,000 for the construction and equipping of two halls of residence for men at Fourah Bay College, University College of SIERRA LEONE; £360,000 towards the estimated cost of £401,450 for the construction and equipping of Freetown Teacher Training College, Sierra Leone; £233,250 for the expansion of general education in Lagos, NIGERIA, including provision of new buildings for extensions to 12 primary schools and 8 secondary schools. Grants approved for building new and improving existing roads totalled £690,402 and included: £384,000 towards £480,000 to be spent on roads in NORTHERN RHODESIA, including the widening of the Ndola-Mufulira-road, improvements to the Mumbwa-Mongu road, the Fort Rosebery-Kawambwa-Nchelenge-Chienge road and part of the Solwezi to Balovale road.

AUSTRALIA (WESTERN).—The Government is to ask the Commonwealth to provide finance on a 50/50 basis to seal Eyre highway. According to preliminary estimates, the cost of sealing the road from Norsemen to Port Augusta will be in the region of £A10m.

BRAZIL.—The President has authorised a Cr$2,000m. credit to be drawn upon by the Ministry of Transport and Public Works to complete the paving of the highways connecting Brasilia and the States of Bahia, Sergipe, Alagoas, Pernambuco, Paraiba, Ceara, Goias and Matto Grosso.

CANADA (ALBERTA).—The British American Oil Co. has started to construct a $4m. addition to their Elveden House project in Calgary. The new building will be 14 storeys high. . . . Tenders have been called for the first stage of construction of the new $10m. air terminal at Edmonton.

CANADA (BRITISH COLUMBIA).—British American Oil have invited tenders on their $1.5m. distribution centre at Port Moody.

CANADA (NOVA SCOTIA).—Consideration is being given to a $6m. bridge building project in Halifax, NS. City engineers have announced that this North West Arm bridge is both feasible and justified.

CANADA (ONTARIO).—Construction of a $6m. four-lane throughway for Sudbury has been approved.

HUNGARY. — The Government has approved proposals for the siting of a number of new factories in the provinces under the second 5-year plan (1961-65). Plans include the building of a weaving factory at Ezeged at a cost of about £3,335,000; a new £4m. shoe factory at Debrecen, eastern Hungary; a £1½m. furniture factory at Nyiregyhaza; and a £3½m. instrument factory as Szekszard, Transdanubia.

NEW ZEALAND.—Top level discussions between representatives of Consolidated Zinc Pty., which is expected to build the £100m. aluminium smelting scheme in Southland, and senior Ministry of Works officials will take place at Invercargill shortly. The talks are to determine the cost factors involved particularly regarding the development of the required amount of electric power from Lake Manapouri.

NORTH BORNEO.—A grant of £157,500 towards the construction of an earth road from Sandakan to Telupid has been approved under the Colonial Development and Welfare Acts.

SARAWAK.—A grant of £185,045 has been approved under the Colonial Development and Welfare Acts to help build a bitumen surfaced road between Sarikei and Binatang, and to build a bridge over the Sungei Nyelong.

UGANDA.—The Bristol firm of Arthur Scull and Son. Ltd., have secured a £½m. contract for the mechanical and sanitary services for the new Mutago hospital at Kampala. It will be the largest hospital and the biggest single building in the whole of East Africa. The estimated cost of the whole project is £2,300,000, of which Great Britain is contributing £1½m. The Scull Group's contract includes sanitary plumbing, drainage, boiler plant, steam and condense services, hot and cold water services, gas services, fire services, laundry, kitchen, sterilising equipment, ventilation, air conditioning to the operating theatres, and cold rooms. The main contractors are an Indian firm at Kampala. Uganda's Chief Architect, Mr. John L. Hope, is responsible for the design, and the consulting engineers for the mechanical and saintary services are Messrs. G. H. Buckle and Partners, of London, in association with Messrs. Gasston and Barbour, of Nairobi and Kampala.

Another University for Victoria

VICTORIA is planning its third university. The State's only other establishment at Melbourne is so overcrowded that this year many students were refused admission. The Premier, Mr. Bolte, has stated that the new Monash University, also at Melbourne, and which is due to open next year, would reach saturation point before 1970. In view of this, and to avoid the undue haste experienced in preparing the Monash scheme, the Government had decided to establish a third university. Data is now being collected and a planning committee will be appointed in the near future.

British School in Milan

MR. A. G. SMITH, general manager of Brockhouse Steel Structures, Ltd., designers and manufacturers of the special system of steel construction to be used for the single-storey primary school selected as Britain's exhibit at the forthcoming Triennale Di Milano, will supervise erection of the steel framework. The operation is scheduled to take only five days. While in Italy, he will have talks with the Ministers of Works, Transport, and Education concerning the possible use of the system for other Italian building projects.

British Architects for Sydney Project

RONALD WARD AND PARTNERS, architects and engineers, have been appointed by the E. A. Colman Group of Companies to design the skyscraper to be erected opposite the Reserve Bank in Martin-street, Sydney. The site has been purchased from the Sydney City Council for £A1,200,000; the building, which will be over 250 ft. high, will cost about £A5m.

Export Orders for British Firm

ORDERS for school buildings totalling nearly £60,000 have been received by Taylor Woodrow (Building Exports) Ltd., marketing member of the Arcon Group of prefabricated building manufacturers, of London, from educational authorities in Northern Nigeria and the West Indies.

They include a technical training college at Maiduguri, twenty buildings for a women's adult education centre at Zaria and farm training centres in Maiduguri, Telasa, Mafaia and Dambata, all in Northern Nigeria. Sixteen buildings, valued at over £28,000, to form a polytechnic institute have been ordered by the Trinidad Government.

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SCOTTISH BUILDER

SCOTTISH BUILDING TRADE WAGES

FOLLOWING are rates of wages authorised by the Scottish National Joint Council as from April 18, 1960. They apply to the whole of Scotland, including the islands of Orkney, Shetland, etc.

Grade A: Craftsmen, 4s. 11½d.; Labourers, 4s. 4d.

For apprentices, the rates are :

Year	*Percentage of Craftsman's rate*	*For week of 44 hours* s.	d.
1st	25	54	6½
2nd	33⅓	72	9
3rd	50	109	1
4th	66⅔	145	6
5th	75	163	7½

For female labour, the rates are :

	s.	d.
Operatives on craft operations (at end of probationary period)	4	4
Operatives on labouring operations (at end of probationary period) ...	3	10

New Shopping Area

PLANS TO REPLACE Greenock's main shopping centre with a pedestrian-only arcade of shops and offices bordered by multi-storey flats have been put before Greenock Town Council.

Behind the proposed redevelopment scheme is the Murrayfield Real Estate Co., Ltd., Edinburgh, who would finance the project if it was approved by the council.

The proposed site takes in about 12 acres bounded by Dalrymple-street, High-street, Westburn-street, William-street and Cathcart-square.

New Buildings

DUNBARTON CC.—Laying of 350 lin. yd. of 9 in. dia. and 350 lin. yd. of 6 in. dia. fireclay pipe sewer; 88 lin. yd. of 9 in. dia. and 220 lin. yd. of 6 in. dia. fireclay pipe surface water sewer; 4,390 sq. yd. of tarmacadam roadway with contingent works at gap sites at Haldane housing scheme, Balloch. Applications to County E, 24 George-sq., Glasgow, C2.

EDINBURGH CORPN.—Leith Fort housing development:—Two 21-storey tower blocks, excavation and site preparation. Applications to City A.

EDINBURGH CORPN.—Rebuilding of temporary housing areas. Complete sites as one contract. Applications for information to City A, City-chbrs., Edinburgh. . . . Alterations to technical rooms at Boroughmuir sec. sch. Applications to City A, City Chbrs., Edinburgh.

FORT WILLIAM BURGH.—Extension of filter house, construction of dividing wall in service reservoir, and the supply and laying of 2,800 yd. of 6 and 9 in. pipe. Applications to Messrs. Carter & Wilson, constg. engrs., 51 Queen-st., Edinburgh 2. Dep. £4 4s. Tenders by May 18.

HAMILTON.—TC to build 40 dwelling houses in four blocks on site at George-st. and Donaldson-st., at an est. cost of £67,240. They will also build 22 four-apartment dwelling houses and garages at Mary-st. at a cost of £51,500. . . . Thomas Usher & Son, Ltd., brewers, Edinburgh, are to build a PH at Hillhouse-rd., Hamilton. Est. £30,000.

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THE BUILDER CONSTRUCTION NEWS

Full details of Public Appointments open will be found in the Advertisement pages of this and previous issues.

CONTRACTS OPEN

For some contracts still open but not included in this list, see previous issues. Those preceded by the symbol (A) are advertised in this number. The latest date for the receipt of tenders or applications appears above each paragraph. The symbol (R) preceding each entry indicates that applications must be received by this date.

BUILDING

MAY 9

(R) LIVERPOOL CITY C.—Erection of standard 11-storey blocks of flats on various sites in and around Liverpool. City A & Director of Housing.

MAY 10

(AR) BIRMINGHAM CITY C.—Firm price tenders for:— (a) 14 one- and two-storey dwellings at Woodcock-la., Northfield. (b) 50 one- and two-storey dwellings at Kings Heath area. City A. Dep. £2 2s. (each contract). Tenders by June 10.

MAY 12

(AR) NEWCASTLE REGIONAL HOSPITAL BD.—Erection of new X-ray dept. and link corridor at Hemlington Hospital, Middlesbrough. Sec. to Bd.

MAY 13

(AR) BARKING EC.—Extension to Park mod. sch. (est. cost £13,000). Boro' A.

(AR) DORSET CC.—Erection of grammar/mod. sch. at Beaminster. C.

MAY 14

(AR) ESSEX CC.—Firm price tenders for two additional classrooms at Thurrock Torells county sec. girls' sch. County A.

MAY 16

(AR) SOMERSET CC.—Fixed price tenders for alterations and extensions at Ansford sec. mod. sch. County A. Dep. £2 2s.

MAY 18

(AR) BRISTOL CITY C.—Fixed price tenders for eight flats at Bell Hill-rd., St. George. City A.

(AR) DURHAM CC.—Second instalment of Easington Technical College. County A.

HUNTINGDON RDC.—Fixed price tenders for six bungalows at Great Stukeley. S. Dep. £2 2s.

MAY 20

(AR) WOLVERHAMPTON CBC.—Erection of changing room accommodation and tea room at Bantock Park. Boro' E. Dep. £2 2s.

MAY 23

EIRE (Cork).—Erection of airport buildings at Cork, comprising terminal building, control building, fire station, freight building and boiler house, paths and sundry site work. Department of Transport and Power, Kildare-st., Dublin. Dep. £25.

MAY 24

(AR) EAST SUFFOLK CC.—Firm price tenders for extensions to the County Hall, Ipswich. County A. Tenders by June 14.

MAY 27

(A) WORCESTER CITY C.—Additional sanitary accommodation for female block at Hillborough. City E&S. Dep. £3 3s.

MAY 30

(A) BLACKROD UDC.—Firm price tenders for:—(a) 54 dwellings, with drainage, paths and site layout, and (b) construction of roads and sewers. C. Dep. £2 2s.

(A) HOVE BC.—Erection of sports pavilion at Nevill Playing Field. Boro' E&S. Dep. £3 3s.

(A) MIDDLESBROUGH CBC.—(a) 29 and 30 houses at Easterside (groups 24 & 25). (b) 36 flats at St. Hilda's (section IV). Boro' E. Dep. £2 2s.

(A) WIMBLEDON BC.—Enlargement of kitchen and redecoration of premises at Wimbledon Park Hall. Boro' E.

MAY 31

(A) CARLISLE CITY C.—Extensions to Carlisle grammar sch. City S.

(A) CLACTON UDC.—Construction of brick and tiled dressing rooms at Eastcliff Sports Ground. E&S. Dep. £2 2s.

JUNE 1

(A) ILFORD BC.—Erection of 12 garages at Wensleydale-ave. Boro' E. Dep. £2 2s.

JUNE 3

(A) GILLINGHAM BC.—Fixed price tenders for 20 houses and 12 garages at Henley Close, Rainham, Kent. Boro' E. Dep. £5 5s.

JUNE 4

HARTLEPOOL BC.—Design and erection of 24 proprietary-type houses on site north of King Oswy-dr., West View. Boro' E.

JUNE 14

(A) SALFORD CITY C.—Firm price tenders for erection of Cromwell sec. mod. sch. (phase II). Cruickshank & Seward. Royal London House, 196 Deansgate, Manchester. Dep. £3 3s.

JUNE 17

(A) GILLINGHAM BC.—Fixed price tenders for 62 flats and 44 car ports, etc., at Goudhurst-rd. Boro' E. Dep. £5 5s.

JUNE 20

KETTERING BC.—Fixed price tenders for a new cattle market at Northfield-ave. Boro' E&S. Dep. £5 5s.

JUNE 21

(A) CHELMSFORD BC.—Fixed price tenders for public conveniences at Melbourne-ave. Boro' E. Dep. £2 2s.

SERVICES, PAINTING, MATERIALS, ETC.

MAY 13

(AR) EAST SUSSEX CC.—Installation of lift at St. Leonards' Hospital, East Grinstead. County A.

MAY 14

(AR) ESSEX CC.—Firm price tenders for: —(1) Internal and external decorations at Hornchurch Brittons county sec. sch.; (2) internal decorations at Grays Park county sec. sch.; (3) internal and external decorations at Thurrock Torells county boys sec. sch.; (4) Ockendon Courts county sec. sch. (internal decorations); (5) Grays county technical sch. (internal decorations). County A.

MAY 20

(A) SUNDERLAND CBC.—Internal and external painting at various educational premises. Director of Ed., 15 John-st.

MAY 21

(A) MITCHAM BC.—External painting of houses and flats on various sites. Boro' E&S.

MAY 25

MANCHESTER CITY C. — Electrical installation at Royle Green infants' sch., Northenden. City A.

MAY 31

(A) HARROW BC.—Replacement of boundary and garden fences, side entrance gates and close boarded screens on corporation's Pinner Hill estate, Pinner, and Berridge estate, Edgware. Boro' E&S. Dep. £2.

JUNE 3

(A) MIDDLETON BC.—External painting of 361 houses at Hollin and Boarshaw estates (five contracts). Boro' A.

JUNE 6

WIDNES BC.—Fixed price tenders for painting and decorating of various school premises in borough. Boro' A.

MUNICIPAL AND CIVIL ENGINEERING WORKS, ETC.

MAY 16

SALE BC.—Surface dressing of approx. 42,000 sq. yd. of roads in borough. Boro' E. Dep. £2 2s.

MAY 17

ST. NEOTS RDC.—Fixed price tenders for a rc water tower, capacity 75,000-gall., height approx. 60ft., at Covington, Huntingdonshire. Pick, Everard, Keay & Gimson, constg. engrs., 6 Millstone-la., Leicester. Dep. £5 5s.

MAY 23

NEWMARKET RDC.—Fixed price tenders for approx. seven miles of 7 to 12in. glazed ware sewers, with precast manholes; 5 and 6in. spun-iron pumping mains; three pumping stations, a sewage treatment works; house connections and other appurtenant works. Harry Brompton & Ptnrs., Ccl's. constg. engrs., 7 Hobart-pl., Westminster, SW1. Dep. £10 10s.

SOUTH WESTMORLAND RDC.—Fixed price tenders for about 900yd. of 6in. sewers and a small sewage disposal works at Grayrigg, nr. Kendal. E. Dep. £3 3s.

MAY 28

NORTHAMPTON CBC.—Construction of approx. 1,500yd. of 6 to 30in. dia. foul and SW sewers, river outfall and manholes, etc., in central redevelopment area. Boro' E. Dep. £2 2s.

MAY 30

(A) SPALDING RDC.—Laying of approx. 7,400yd. of 6 to 12in. dia. sewers, 2,200yd. of 4 and 9in. rising mains and construction of three sewage pumping stations and complete sewage disposal works for village of Donington. J. H. Haiste & Ptnrs., 44/46 Bridge-st., Peterborough. Dep. £3 3s.

JUNE 4

ST. AUSTELL UDC.—Construction of 4,403 lin. yd. of 6in. concrete tube sewer at Ruddlemoor. E&S. Dep. £3 3s.

JUNE 14

MERTHYR TYDFIL.—Construction of a new two-span skew road bridge over the River Taff at Ynysgau. Boro' E. Dep. £5 5s.

GENERAL BUILDING WORK

(LONDON)

FINCHLEY.—Office Block.—The Council have approved an outlined planning application to build a 17-storey office block at High-rd., Whetstone. Application for the building was made by Farring Developments Ltd. The Council are to ensure that the layout is satisfactory and that the scheme would not prejudice the free flow of traffic.

STOKE NEWINGTON.—New Laundry.—MBC to go ahead with the provision of a £59,000 municipal laundry on site of old Town Hall.

WOOD GREEN.—Branch Library.—Plans are to go ahead for the erection of a branch library at Alexandra Park.

(PROVINCIAL)

ASHTON-UNDER-LYNE. — BC propose new central library and redevelopment of town centre.

ASPULL.—UDC propose erection of 60 houses at St. David's-cresc.

BAKEWELL.—RDC considering possibility of building houses for sale at Calver, Winster and Bradwell.

BARNOLDSWICK. — UDC propose erection of swimming baths at Harrison-st. Est. £50,000.

BARROW-IN-FURNESS.—Following for Lancs EC:— Extensions/adaptations at Victoria county sec. sch., est. £76,041; extensions/adaptations at county grammar sch. for boys. Est. £72,874.

BEDLINGTON.—UDC plan to build a shopping centre, costing £158,000 and comprising 48 shops. Work is expected to start during next 18 months.

BELFAST.—The Corporation Finance Com. have formally approved a scheme for the construction of a new bridge across the River Lagan. It is estimated that work on the bridge and approach roads will cost at least £1,000,000 and another £250,000 will go towards acquisition of property. A detailed assessment of the compensation to be paid to bodies affected by the scheme—mainly the Harbour Commissioners and Ulster Transport Authority—has not yet been made. The scheme is to be submitted for final approval at the May meeting of the City Council.

BELFAST.—A map, showing 30 possible redevelopment areas in Belfast, has been approved by a special meeting of the Housing (Clearance and Slum Clearance) Committee—and will be submitted to the Ministry of Health and Local Government. More than 19,000 unfit houses are involved, including 1,261 houses in the Upper Library-st. redevelopment scheme which has already been submitted to the Ministry. The committee estimate that these proposals could not be implemented within a period of less than 20 years. Their implementation will depend on the availability of alternative housing accommodation. Remaining areas

of unfit houses in the city not included in redevelopment areas will be dealt with by clearance orders or where necessary by individual closing or demolition orders.

BLACKBURN.—RC Auth. propose erection of St. Joseph's sec. mod. girls' sch. during 1960/61.

BLAYDON.—UDC to purchase land at Blaydon Haughs for proposed sewage disposal works to serve Blaydon and Winlaton. . . . The Council are planning the erection of 55 houses at Chopwell.

BOURNEMOUTH. — Stanbourne Motor Co. (Westbourne) Ltd., propose to build a petrol filling station and five-storey block of showrooms, offices and 24 self-contained flats at Poole-rd. . . . Outline permission has been given to Mobil Oil Co. Ltd., for the erection of a motor showroom, service, wash bays and sales room, and installation of four petrol pumps and three storage tanks, at 261-3 Holdenhurst-rd. . . . Coniston Real Estates Ltd. plan to alter premises at Christchurch-rd. to form four shops, showrooms, offices and store. . . . Conditional approval has been given to Mr. B. Pinn in connection with plans to build a five-storey block comprising two shops with offices above at 20 Exeter-rd.

BRADFORD.—TC propose erection of four one-storey police stations on various sites. Est. £21,000.

BUCKS.—Thirteen new schools are planned, with extensions to eight others, in Buckinghamshire Education Committee's building programme for 1962-63. Est. £1,950,000.

CARLISLE.—D. W. Danson, 54 Lowther-st., Carlisle, has prepared plans for a proposed industrial estate at Burgh-rd. for Mr. G. W. Graham-Bowman. . . . City E (L. J. A. Stow) has prepared plans for the reconstruction of Blackwell-rd.

CATERHAM & WARLINGHAM.—UDC to erect a county prim. sch. at Warlingham.

CATTERICK.—Messrs. M. J. Gleeson (Contractors) Ltd., Chesterfield-rd., Sheffield 8, are to erect 200 dwellings at Catterick.

CHADDERTON.—UDC propose erection of new mortuary.

COLWYN BAY.—BC propose housing development between Elian-rd. and Fron Farm.

CROCKERTON (Wilts).—Outlined to Warminster & Westbury RDC is a proposal for a 30-bedroom motel on one side of Shearwater, part of the Marquess of Bath's estate, with restaurant, boating and bathing facilities.

DEGANWY.—C. H. Harvey (Properties) Ltd. propose converting Bryn Estyn sch. into houses and flats.

EASTBOURNE.—TC to submit sketch plans to MoH for approval for home for ambulant aged at Seaside. Est. £39,000.

ESTON.—UDC has received loan sanction from MH&LG for £12,358 for footpaths and open spaces at Teesville East estate (second section).

FARINGTON.—The Managers of Farington Endowed School propose two new classrooms, assembly hall, modern kitchen, improved staff facilities and store rooms.

GATESHEAD.—W. H. Oliver Ltd., bldrs. and contrs., 25 Simpson-st., Newcastle-on-Tyne, to erect 12 flats and three lock-up garages at West Park-rd. and Maple Grove, Gateshead. . . . Cussins Ltd., contrs., The Drive, Gosforth, are planning offices, etc., four or five storeys high at foot of High-st. . . . TC to erect houses on 12 acres of land at Whitehouse-la.

HASTINGS.—TC approved erection of one four-storey block of six flats and one 12-storey block of 33 flats, with 12 garages in basement, on site of existing Roxy Cinema and land at rear of 359-371 London-rd., St. Leonards. Plans with Jarvis & Co., estate agents, The Broadway, Haywards Heath.

HETTON.—UDC's housing programme of 61 houses for this year has been approved by the MH&LG.

HOLYWELL.—UDC propose erecting 50 houses at Greenfield Hall estate.

HYDE.—BC propose 20 dwellings at Cundy-st. and extensions to market.

KIRKHAM.—Prison Commissioners propose housing for prison staff.

LEIGH.—BC propose housing development at Siddow Common.

Contracts Placed

We are glad to receive from architects and quantity surveyors for publication details of contracts placed to the value of £20,000 or over. Such information should reach the Editor as soon as possible after the contract is signed. Names of the architect and other consultants associated should be given.

MACHYNLLETH.—UDC have decided to fill up their Tregarth housing site with a third and last instalment of housing by erecting 18 three-bedroom and parlour houses, six two-bedroom non-parlour houses, and six bungalows for old people.

MANCHESTER.—Plewin Properties Investments Ltd. propose erecting a shop and office block at junction St. Mary's Gate/Deansgate. . . . North Western Electricity Bd., Cheetwood-rd., Manchester 8, propose erecting new offices, workshop, stores and garage at Shentonfield-rd., Northenden, Manchester.

MIDDLESBROUGH.—P. R. Middleton & Partner, 111 Albert-rd., Middlesbrough, are the architects for proposed shops at 261-279 Acklam-rd. for Miss M. Thompson and Partner, and bank and offices at Albert-rd. for the District Bank Ltd. . . . Kitching & Co., 21 Albert-rd. Middlesbrough, have prepared plans for additions to a biscuit factory at Suffield-st. for Greco Brothers Ltd. . . . Messrs. Wimpey & Co. Ltd., Orchard-Hse., Fenwick-ter., Newcastle-on-Tyne, are to erect 56 houses and 14 bungalows at Kader-ave. and Elwick-ave. . . . Alterations and additions are proposed to shop and offices at Linthorpe-rd. and Gilkes-st. for Collingwood and Son, Ltd. The architects are Kitching & Co. . . . J. Miller and Partners, builders and contractors, Wakefield, are to erect 114 houses and bungalows, etc., at The Avenue.

MIDDLESEX.—CC are planning the new county offices at Northwick Park, Wembley.

NEWCASTLE-ON-TYNE.—City TP Com. has approved outline proposals for a modern hotel, shops and offices at Northumberland-rd. for J. T. Bell & Sons, builders and developers, Market-st. Chbrs., Newcastle.

NORTH'D.—The County A (C. C. Brown) has prepared plans for first stage of proposed new infants' sch. at Seaton Sluice, Whitley Bay.

NORTHWICH.—Halfords Ltd. propose erecting a single-storey extension at Witton-st.

NOTTINGHAM.—A 20-year development plan for Nottingham, est. to cost £118m., has been approved by the MH&LG, eight years after it was agreed by the City C. The plan, to which the Minister has made only minor modifications, will cost the Corporation an est. £43m.—the remainder coming from Ministry contributions. The plan provides for an exhibition and concert hall; 363 acres for development of Nottingham University; municipal golf course and sports stadium, and a number of important road projects.

OLDHAM.—TC propose erecting 27 bed-sitters at Acre-la. site.

ORREL.—Magee Marshall & Co. Ltd. propose new hotel at City-rd.

PARTINGTON.—Erection of new prim. sch. for Ches. EC.

PORTSMOUTH.—Wessex Regional Hospital Bd. plan the following:—Reorganisation of St. James's Hospital, est. cost £300,000; new maternity unit of 160 beds, improvement to nurses' home, replacement of outpatients' department and old operating theatres, during 1965-68, at St. Mary's Hospital, est. cost £750,000; reorganisation of Royal Portsmouth Hospital in 1966-67, est. cost £350,000.

RADNORSHIRE. — Radnorshire Further Education Com. propose erection of a rural technical institute to serve North Breconshire and Radnorshire.

ROCHDALE.—Following for RC Auth.:—Prim. sch. at Kingsway; prim. sch. at Kirkholt; technical grammar sch. at Oldham side area, and sec. sch. at St. Wilfrid's, Thrum Hall district.

ROTHERHAM.—BC propose erection of a two-storey civic restaurant at Odeon car park.

SEDGEFIELD.—J. M. Angus, 3 Gallowgate, Newcastle-on-Tyne, is the architect for proposed erection of new club premises for Fishburn & District Social Club.

SHEFFIELD.—Bon Marche (Gloucester) Ltd., Gloucester, propose departmental store at The Moor. Est. £1,500,000.

SHREWSBURY.—BC propose erecting super abattoir at Harlescott.

SOUTH WILTS.—Wessex Regional Hospital Bd. plan to rebuild the old Manor Hospital. Est. £1,700,000.

STOKE-ON-TRENT.—City Reconstruction Com. has approved in principle plans for the rebuilding of Lewis's store at Hanley.

TYNEMOUTH.—TC approved in principle a scheme proposed by J. M. Clark & Son, land agents, 11 Eldon-sq., Newcastle-on-Tyne, acting on behalf of the Duke of Northumberland, for the erection of houses on land west of Preston North-rd. . . . J. H. James Ltd., builders & contractors, Archer-st., Wallsend, are to carry out housing developments at Preston Gate. . . . TC has invited G. Wimpey & Co. Ltd., Orchard-hse., Fenwick-ter., Newcastle-on-Tyne, to submit estimates for road works for the East End development scheme (estimated cost £26,000), North Shields.

UPHOLLAND.—Mr. L. Dickinson proposes housing development at Chequer-la. and three houses/four bungalows at Grove-rd. and Dingle-rd.

WAKEFIELD.—West Riding EC propose new infants' sch. at Sandal area and sec. sch. at Eastmoor.

WHALEY BRIDGE.—UDC propose erection of 15 old people's bungalows.

WHICKHAM.—UDC to erect 71 houses and block of 16 garages at Victoria, Athol and Seymour-streets, Dunston. Layout plans by Council's architects, Fennell & Baddiley, approved.

WHISTON.—RC Auth. propose two form entry infants' sch. at Shaw-la.

WIGAN.—Mr. E. Watkinson proposes housing development at High-la., Dalton. . . . Wigshaw Properties Ltd. propose development at Back-la., Shevington. . . . Greenall Whitley & Co. propose alterations/extensions at Plough & Harrow Hotel, Shevington. . . . Mrs. E. J. Sutton proposes bungalow development at 'Prince William' Cottage, Dalton. . . . Mr. J. J. Mason proposes five detached houses at Church-la., Wrightington Bar. . . . Blue Printers propose extensions to factory at Leyland Mill, Haigh. . . . Lancs County Police propose erecting police houses at Shevington Moor.—Following for TC:—Erection of ambulance station, £21,216 est.; branch library; community centre for mentally handicapped children at Frank-st.

TENDERS

(A) Denotes *accepted*.
(PA) Denotes *provisionally accepted*.
(RA) Denotes *recommended for acceptance*.
(AM) Denotes *accepted subject to modification*.
(GD) Denotes *accepted subject to approval by appropriate Government Department*.

BASINGSTOKE.—Erection of 72 dwellings and 161 dwellings, respectively, at South Ham, for BC. (RA) E. & J. Cotton Ltd., High-st., Iver, Bucks., £126,392 and £237,116.

BELFAST.—New offices at Stormont, Belfast, for the Government of Northern Ireland. Ogilby McCutcheon, quantity surveyors. (A) Higgs and Hill Ltd., South Lambeth-rd., SW8. Est. £1¼m.

BRIGHTON.—Erection of 1st stage of new College of Arts & Crafts for CBC.

A. J. Construction Co. Ltd. ...	£161,213
Saunders (Contractors) Ltd. ...	156,985
M. J. Gleeson (Contractors) Ltd.	153,444
Cox (Public Works) Ltd.	153,372
John W. Ridge Ltd.	152,689
Henry Boot & Sons (Southern) Ltd.	149,752
F. T. Wilson & Sons Ltd.	149,181
Y. J. Lovell (Sussex) Ltd.	146,838
G. T. Crouch Ltd....	146,164
Wm. Willett Ltd.	142,829
A. A. Stuart & Sons (Glasgow) Ltd.	142,536
James Longley & Co. Ltd.... ...	142,305
Rice & Sons Ltd.	141,938
Token Construction Co. Ltd. ...	141,661
(A) T. J. Brayton & Son Ltd. ...	138,242

(Fixed price tender).

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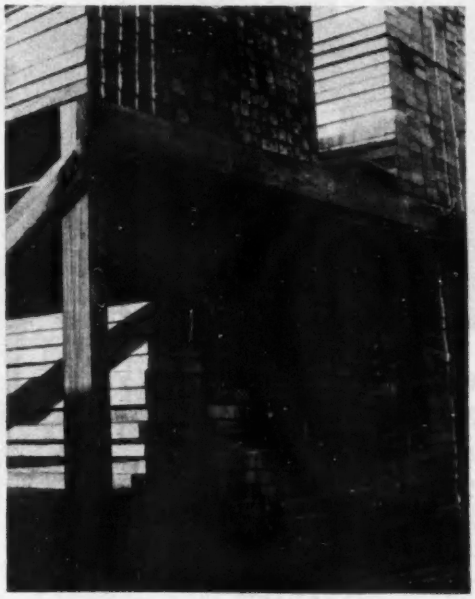

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BRISTOL.—Site preparation and building work at Thornbury for ICI. (A) Geo. Wimpey & Co. Ltd., £200,000.

CHADDERTON.—Steel storage warehouse and offices at Greengate, Chadderton, for Leigh & Sullivan (Stockholders) Ltd., Arkwright-hse., Parsonage-gdns., Manchester. (A) Russell Building & Contracting Co. Ltd., 165 Plymouth-gro., Manchester 13.

CHESTER-LE-STREET.—146 houses at Pelton for RDC. F. Bowman, Estate Office, Durham-rd., Birtley, architect. (A) Direct labour, £185,313.

DEUDRAETH.—Erection of 127 houses for RDC. (GD) Gregory Housing Ltd., £243,262.

DURHAM.—Heating and domestic hot-water installation at Newton Aycliffe mod. sch. for CC. (A) Selborne Engineering Co. Ltd., Selborne-gdns., Newcastle-on-Tyne, £16,142.

HERTFORDSHIRE.—Construction of 7½ miles of motorway for CC. (A) Messrs. Martin Cowley, London. Est. £1,787,803.

HYDE.—65 dwellings at Wych Fold estate for BC. (A) Geo. Wimpey & Co. Ltd.

KENDAL.—44 Unity houses and flats at Sandylands estate extension, scheme No. 2, for BC. E&S is J. J. LeFevre, in conjunction with Unity Structures Ltd. Unity Structures Ltd., quantity surveyors. (A) Messrs. W. H. Ainsworth & Co. Ltd., Sandgate, Kendal, £60,055.

KINGSTON.—Electrical services at Kingston Technical College for Surrey CC. (A) Alpha Manufacturing & Electrical Co. Ltd., £26,431.

KIRKBY.—Erection of factory at Merseyside for BMC. Harry W. Weedon and Ptnrs., architects. (A) Holland & Hannen and Cubitts (North West) Ltd. Est. £1¾m.

LANCS.—Following for Lancs. EC:—Extensions at Ansdell county sch., Lytham St. Annes. (A) Atherton Bros. (Blackpool) Ltd., £17,250.—Adaptations/extensions at Ashton-under-Lyne grammar sch. (A) Ashton Smethurst (Builders) Ltd., Middleton, £58,885.

LEEDS.—Erection of 130 dwellings at Stonegate-rd., Queen's-hill, and 128 dwellings at Swinnow estate for City C. (RA) N. B. Bell & Co. Ltd., Leeds, £179,830 and £174,432, respectively.

LIVERPOOL.—Outpatients' and casualty dept. at Waterloo General Hospital, for Regional Hospital Bd. (A) G. L. Desoer Ltd., Marathon-st., Liverpool 6, £36,190.—Mental health centre at Johnson-st. for TC. (A) Tysons (Contractors) Ltd., Dryden-st., Liverpool 5, £20,976.

LIVERPOOL.—Works for City C.—10 flats at Runton-rd., Lee Park estate; eight flats at Menlove-ave., Woolton; 14 flats at Uttingave. estate and Norris Green-cres., and 12 dwellings at Mill-st. and Toxteth-st. (A) R. J. Barton & Sons Ltd., Altcar-rd., Formby, Lancs., £14,591, £15,731, £23,161 and £21,357, respectively.—Additional 67 dwellings at Childwall Valley estate. (A) Unit Construction Co. Ltd., Speke Boulevard, Liverpool 24, £101,393.—28 dwellings including site works etc., at junction of Speke-rd. and Charterhouse-rd., Woolton. (A) Peak Construction (Liverpool) Ltd., 95 Broad-la., Liverpool 11, £40,014.—Erection of Stoneycroft sch. for ESN boys. (A) Hibberts (Builders) Ltd., 103 Rockbank-rd., Liverpool 13, £97,963.—Construction of pumping station buildings at Huntington, nr. Chester. (A) F. C. Construction Co. Ltd., Derby, £359,670.

LLANDUDNO.—Factory extensions at Llandudno Junction for AEI-Hotpoint Ltd. (A) Pochin (Contractors) Ltd., King-st. works, Middlewich, Ches.

(GD) LONDON (Air Ministry).—Contracts to the value of £500 or over for week ended April 29:—*Building work:* Waddington, Lincs., Ellis Thompson & Co. Ltd., James-st., Louth, Lincs.; Lyneham, Wilts., F. Rendell & Sons Ltd., St. John-st., Devizes, Wilts.; Chicksands, Beds., A. A. Stuart & Sons (Glasgow) Ltd., 10 Upper Grosvenor-st., W1; Cottesmore, Rutlandshire, A. Monk & Co. Ltd., PO Box No. 4, Stamford, Lincs. *Artificers' works:* Locking (Somerset), etc., Dudley Coles Ltd., Bath-st., Plymouth, Devon; Kinloss (Morayshire), etc., Scottish Tarmacadam Ltd., 44-52 Bilbao-st., Glasgow, C5. *Painting work:* Henlow, Beds., J. D. Tighe & Co., Redbourne Mere, Kirton Lindsey, Gainsborough, Lincs. *Modifications of fuel installations:* Mildenhall, Suffolk, William Benson & Co. (London) Ltd., 25 Camberwell Grove, SE5.

(GD) LONDON (British Railways).—New contracts placed by Western Region:—John Morgan (Builders) Ltd., Northumberland Lodge, Cathedral-rd., Cardiff, for construction of a signal box at East Usk and of relay houses in Newport area.—Messrs. Wilson & Lovatt & Sons Ltd., Clarence-st., Wolverhampton, for erection of office and amenity buildings and other works to be carried out at the running and maintenance depot, Stourbridge.—The Reliance Telephone Co. Ltd., Lawford-st., Bristol, for provision and installation of automatic telephone exchange at Marland-hse., Cardiff.—Messrs. Acrow (Engineering) Ltd., South Wharf, London, W2, for supply and erection of a batching plant at Taunton concrete works.—Messrs. Bell & Webster Ltd., Essex-rd., Hoddesdon, Herts, for supply and erection of a concrete framed storage building at Park Royal.—Pelapone Ltd., Bruton-st., W1, for supply, delivery and erection of a standby supply generating set at Newport High-st. signal box.—Carter-Horseley (Engineers) Ltd., Horseley-wks., Tipton, Staffs, for renewal of the roof covering and glazing to the roof over the inwards side, goods depot, Cardiff Newtown.

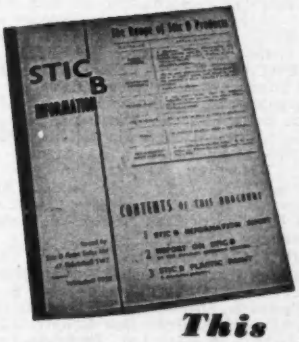
(GD) LONDON (British Railways).—New London Midland contracts:—The Turriff Construction Corporation Ltd., Budbrooke-rd., Warwick, for reconstruction and widening of Bridge number 321 at Coventry Warwick-rd. and station platforms and drainage in connection with reconstruction of Coventry Station.—Leonard Fairclough Ltd., 3 Chapel-st., Adlington, Lancs., for reconstruction of Bridge No. 18 on Runcorn Branch.—Sir Lindsay Parkinson & Co. Ltd., 6 Lambeth-rd., St. George's Circus, SE1, for tunnel work in connection with main line electrification on Manchester/Crewe line.—Leonard Fairclough Ltd., 3 Chapel-st., Adlington, Lancs., for construction of new Bridge No. 19 on Crewe/Birdswood line to accommodate the raising and electrification of existing double rail tracks in connection with the widening of Winsford/Middlewich road No. A.54 for the Cheshire CC.—Wilson Lovatt & Sons Ltd., Clarence-st., Wolverhampton, for new freight terminal at Leicester Queen-st.—Turriff Construction Corporation Ltd., Budbrooke-rd., Warwick, for extension and reconstruction of platforms, earthworks, permanent way track section cabins and relay rooms on Trent Valley Line between Stafford and Rugby.—F. Parkinson Ltd., Mowbray-dr., Blackpool, Lancs., for extensions to offices at Liverpool Brunswick dock goods depot for SPD Ltd.—Taroads Ltd., 21/22 Old Bailey, London, EC4, for tarspraying and road repairs programme 1960 in Northampton and Walsall districts.—Paviours Construction Co., 17 Saltaire-rd., Shipley, Yorks., for tarspraying and road repairs programme 1960 in Derby North district.—H. V. Smith & Co. Ltd., 24 Ashley-pl., Westminster, London, SW1, for tarspraying and road repairs programme 1960 in London District.—Johnson Bros. (Aylesford) Ltd., Vale-rd., Tonbridge, Kent, for tarspraying and road repairs programme 1960 in Lancaster district.—Leonard Fairclough Ltd., 3 Chapel-st., Adlington, Lancs., for reconstruction of Bridge No. 37 on Whitchurch/Tattenhall line to accommodate widening of the East of Birmingham/Birkenhead trunk road A.41 for the Ministry of Transport.—Scaffolding (Great Britain) Ltd., 28 Pickford-st., Birmingham, for supply, delivery, erection and removal of temporary foot and luggage bridge with ramps and footbridge with stepways in connection with the reconstruction of Stafford Station.

LONDON (City).—Erection of office and workshop building at 132-136 St. John-st., EC1, for Sheffield Smelting Co. Ltd. (A) Rush & Tompkins Ltd.

(GD) LONDON (Metropolitan Police).—Building works contracts:—Erection of sectional police station and one detached house, at The Oaks, Ruislip, Middlesex, J. Lawson & Co. Ltd., £56,547.—Internal redecorations and alterations to ablutions at Harlesden police station and section house, Websters (Builders) Ltd., £3,446.

(GD) LONDON (MoW).—*Lincolnshire:* Head Post Office, Wide Bargate, Boston, improvements to public offices, N. H. Vamplins & Sons Ltd., 67a Main Ridge, Boston. *London:* Cumberland Gate Lodge and Grosvenor Gate Lodge, Hyde Park, W1, taking down and re-erection, Dove Bros., Cloudesley-pl., Islington, N1.—Wedding of HRH Princess Margaret, decorations, John Mowlem & Co. Ltd., 91 Ebury Bridge-rd., SW1.—National Maritime Museum, SE10, resurfacing of car park, etc., H. V. Smith & Co. Ltd., Walkden-hse., Melton-st., NW1.—West India Dock, Millwall, erection of customs office, John Mowlem & Co. Ltd., 91 Ebury Bridge-rd., SW1.—Joint Office Building, 10 John Adam-st., Strand, WC2, decoration work, South London Decorators Ltd., 9/11 Streatham High-rd., SW16.—Branch Post Office, Bellingham, SE6, erection, Whyatt (Builders), Ltd., Bentley-hse., 225 Streatham High-rd., SW16.—Monarch Telephone Exchange, EC2, acoustic tiling, Horace W. Cullum & Co., 58 Highgate West Hill, N6.—Royal Hospital, Chelsea, SW3, internal cleaning and decorating, South London Decorators Ltd., 9 Streatham High-rd., SW16.—Crown Office Building, Keyworth-st., Southwark, SE1, erection, A. Roberts & Co. Ltd., 79 Eccleston-sq., SW1. *Midlothian:* Royal Botanic Gardens, Inverleith Row, Edinburgh, erection of extension units for two plant houses, V. & N. Hartley Ltd., Greenfield, nr. Oldham, Lancs.

(GD) LONDON (MoW).—Contracts placed for week ended April 16:—*Derbyshire:* Inland Revenue Office, Gower-st., Derby, alterations, A. Holmes & Sons Ltd., Navigation Bridge, London-rd., Derby. *Devon:* Customs-hse., Plymouth, alterations and decorations, Carkeek & Sons Ltd., Gilwell-st., Plymouth. *Dunbartonshire:* Temporary sorting office, Cumbernauld, erection, M. & H. Baillie, Duncryne-pl., Bishopbriggs. *Hertfordshire:* BRS, Bucknalls-la., Garston, renewal of valley gutters to workshop block, Payne Bros. (Leavesden) Ltd., Leavesden,



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Watford. *Iran:* British Embassy Compound, Gulhek, electricity supply, A. Hakin & Co., Boite Postale, No. 163, Teheran. *London:* Joint occupied building, Cornwall-hse., Stamford-st., SE1, conversion, W. & M. Negus Ltd., Station-wks., King James-st., SE1.—Joint occupied building, Queen Anne's-chbrs., SW1, builder's work for passenger lift, Richard Maddern Ltd., 15 The Viaduct, Sherwood-rd., Harrow, Middlesex.—10 Carlton-hse., Ter., SW1, interpretation system, Tannoy Products Ltd., Norwood-rd., SE27.—Sorting office, North Kensington, W10, postmen's retiring room, Dennis Price Ltd., 6 Lechmere-rd., Willesden Green, NW2.—Superintendent of Parks depot, Regent's Park, erection of workshops, etc., Whyatt (Builders) Ltd., 225 Streatham High-rd., SW16.—Export credit department, Barrington-hse., 59/67 Gresham-st., EC2, internal decoration, J. W. Green (Painters) Ltd., 171 Graham-rd., SW19.

(GD) LONDON (War Dept.).—Contracts placed for week ended April 22:—*Anglesey* (Ty Croes): Building, Henry Jones & Sons (Rhosneigr) Ltd., Rhosneigr. *Berkshire* (Didcot): Building, H. F. Johnson Ltd., Langley. *Dunbarton* (Garelochhead): Miscellaneous, Alexander Gow, Helensburgh. *Essex* (Colchester): Kitchens, Benham & Sons Ltd., London, W1. *Hampshire* (Aldershot): Building, R. Holford & Co. Ltd., Guildford.—(Bordon): Building, Sherfields (Farnham) Ltd., Farnham.—(Tidworth): Steel tank repairs, J. A. Stirling Ltd., Welwyn Garden City. *Northumberland* (Berwick-on-Tweed): Water supply, Berwick Building Co., Berwick-on-Tweed. *Perthshire* (Comrie): Building, A. B. Kennedy & Son, Pitlochry. *Warwickshire* (Long Marston): Roadwork, J. J. Gallagher Ltd., Birmingham. *Wiltshire* (Netheravon): Roadwork, A. J. Dunning & Sons (Weyhill) Ltd., Andover. *Worcestershire* (Kidderminster): Building, J. Herbert Smith (Kidderminster) Ltd., Kidderminster. *Yorkshire* (York): Building, William Birch & Sons Ltd., York.

LUTON.—Fixed price tenders for block of six classrooms at Challney CSM sch. for BC. (A) M. & F. O. Foster & Co. Ltd., York-rd., Hitchin, Herts., £22,014.

MANCHESTER.—Alterations and extensions at Grange-st. county prim. sch. for City C. (A) F. Marsland.

MORPETH.—Reconstruction and enlargement of Pegswood sewage disposal works for RDC. (A) Derek Crouch Ltd., Station-rd., Birtley, Co. Durham. Est. £27,500.

NEWCASTLE-ON-TYNE. — Erection of new headquarters of about 60,000 sq. ft. at Etherstone-ave., Cochrane Park, for Charles G. S. Buist Ltd., St. Mary's-pl., Newcastle. Cackett, Burns, Dick & Mackellar, 21 Ellison-pl., Newcastle, architects. (A) Stanley Miller Ltd., 17 North-st., Newcastle-on-Tyne.

RUSHDEN.—Firm price tenders for 38 houses at Grafton-rd. site for UDC. (A) F. & R. Windsor Ltd., Newton-rd., Rushden, Northants. £59,282.

SHEFFIELD. — Following for TC:—Alterations and extensions at Hillsborough county sch. (A) William Drabble & Sons, Mosborough, Sheffield, £22,595.—Alterations/extensions at Sharrow-lane County Sch. (A) W. Redmile & Sons Ltd., Parkfield Joinery-wks., Alderson-rd., Sheffield 2, £19,966.—Upgrading wards 2, 5 and 7 at The Pastures, Mickleover, for Regional Hospital Bd. (A) J. H. Fryer Ltd., Westbury-st., Derby, £52,971.

SHEFFIELD.—Erection of phase III of the College of Technology for EC. (RA) Tersons Ltd., £1,178,586.

SOUTH SHIELDS.—Erection of Marine and Technical College (third instalment) for EC. Meade Taylor and Wilson, 33 Lansdowne-rd., London, W1, architects. (A) Richard Costain Ltd., £358,512.—Erection of Biddick Hall infants' sch. for EC. (A) Gordon Durham & Co., Moor-la., East Boldon, Co. Durham. £61,318.

STOCKPORT.—67 houses and 11 garages at Brinnington for BC. (A) Poole & Foster Ltd., Plymouth-ave., Manchester 13, £99,322.

SUNDERLAND.—Erection of PH at Ashdown-rd. for Flowers Breweries (Northern) Ltd. (A) James R. Rutherford & Sons Ltd. (work in hand).—Extensions to Sunderland Technical College for EC. H. C. Bishop, architect. (A) Direct labour, £661,000.

URMSTON. — New sec. sch. for RC Diocese of Salford. (A) William Thorpe & Sons Ltd., Chester-rd., Manchester 16.

WEST HARTLEPOOL.—Construction of rent offices at Wynyard-rd. and Owton Manor-la. for TC. (A) T. M. Stonehouse Ltd. —Construction of footpaths to serve 500 houses at Owton Manor estate for TC. (A) Direct labour.

WESTMINSTER.—Extension to offices at 34/36 Golden-sq., W1, for the Granada Groun Ltd. C. H. Elsom & Ptnrs., architects. (A) J. Jarvis & Sons Ltd. Est. £250,000

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FEDERATION OF MASTER BUILDERS LTD.

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11,223

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April 19th, 1960.
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Classified advertisements in this section can be accepted up to 12 o'clock noon on the TUESDAY prior to issue. It is regretted that advertisements cannot be accepted by telephone.

CONTRACTS

CHELMSFORD
BOROUGH.

ERECTION OF PUBLIC CONVENIENCES AT MELBOURNE-AVENUE, CHELMSFORD, ESSEX.

FIXED PRICE TENDERS are invited for the ERECTION OF PUBLIC CONVENIENCES at Melbourne-avenue, Chelmsford.

Specifications, Bills of Quantities and Forms of Tender may be obtained from the Borough Engineer on or after the 6th MAY, 1960, on payment of a deposit of two guineas. The deposit will be returned on receipt of a bona fide Tender, not subsequently withdrawn, together with the return of all documents supplied. Cheques should be made payable to Chelmsford Corporation.

Drawings of the public conveniences will be available for inspection at the Council Offices, Coval-lane, from the 6th MAY, 1960.

Tenders are to be returned to the undersigned, in the envelopes provided, by NOON on the 21st JUNE, 1960. Bills of Quantities are to be returned to the Borough Engineer by NOON on the same day. The Council do not bind themselves to accept the lowest or any Tender.

B. A. FRANCIS
Town Clerk.

SUNDERLAND
COUNTY BOROUGH.

TENDERS are invited for INTERNAL AND EXTERNAL PAINTING at various Educational premises.

Particulars and forms of tender may be obtained from the Director of Education, 15 John-street, Sunderland. Sealed Tenders, endorsed "Tender for Internal/External Painting—....." (followed by the premises to which it relates), must be addressed to me and received at my office, Town Hall, not later than FRIDAY, 20th MAY, 1960.

G. S. McINTIRE,
Town Clerk.

DURHAM
COUNTY COUNCIL.

TENDERS invited :—

Easington Technical College (2nd Instalment) :—

(a) ERECTION ; (b) REINFORCED CONCRETE FRAME.

Application for further details to County Architect, South-street, Durham, not later than 18th MAY, 1960.

J. K. HOPE,
Clerk of the County Council.

MITCHAM
BOROUGH.

HOUSING ESTATES.
EXTERNAL PAINTING.

TENDERS are invited for the EXTERNAL PAINTING of:

New Close (No. 2) Estate and Ravensbury (No. 1) Estate—108 HOUSES.

Bordergate and Swains Farm Estates—518 HOUSES.

Tamworth Lodge (No. 1) Estate and Tamworth-lane flats—90 HOUSES AND FLATS.

Elm Nursery Estate—159 FLATS IN 3 BLOCKS, 3, 4, 5 and 6 STOREYS.

Sundry Council Properties (1955 Act)—62 HOUSES.

Forms of Tender, Bills of Quantities and other contract documents may be obtained from the Borough Engineer and Surveyor, Town Hall, Mitcham, at whose office the General Conditions of Contract may be inspected.

Tenders must be delivered to the undersigned in the envelopes provided not later than 12 noon on 21st MAY, 1960.

The Council do not bind themselves to accept the lowest or any tender.

R. H. WHITE,
Town Clerk.

Town Hall,
Mitcham,
Surrey.
28th April, 1960.

SPALDING
RURAL DISTRICT COUNCIL.

DONINGTON SEWERAGE SCHEME
CONTRACT NO. 1.

TENDERS are invited for the LAYING OF APPROXIMATELY 7,400 YARDS OF 6 IN., 9 IN. AND 12 IN. DIAMETER SEWERS, 2,200 YARDS OF 4 IN. AND 9 IN. DIAMETER RISING MAINS, the CONSTRUCTION OF THREE SEWAGE PUMPING STATIONS and a COMPLETE SEWAGE DISPOSAL WORKS for the village of Donington in the Spalding Rural District of Lincolnshire.

Contractors wishing to Tender should apply to the Council's Consulting Engineers, J. H. Haiste & Partners, 44-46 Bridge-street, Peterborough, enclosing a deposit cheque value Three Guineas made payable to the Spalding Rural District Council, such deposit to be refunded on receipt of a bona fide Tender and the return of the documents.

Drawings may be inspected at either the Council offices, or the Consulting Engineer's office.

Tenders should be submitted to the undersigned not later than 12 NOON on MONDAY, 30th MAY, 1960.

The Council do not bind themselves to accept the lowest or any Tender.

G. S. ASHWORTH,
Clerk of the Council.

Council Offices,
Priory-road,
Spalding,
Lincolnshire.

WORCESTER CITY.

TENDERS.
RE-ADVERTISEMENT.
HILLBOROUGH.
PROVISION OF ADDITIONAL SANITARY ACCOMMODATION, FEMALE BLOCK ONLY.

TENDERS are invited for this scheme which has been amended to provide for additional sanitary accommodation for the Female Block only. The work comprises one 3-storey block with a total floor area of 1,113 ft. super together with other minor alterations.

Documents obtainable from City Engineer and Surveyor, 22 Bridge-street, Worcester, on deposit of THREE GUINEAS (cheques payable to "Worcester Corporation"), which will be refunded after receipt of a bona fide tender and the return of tender documents.

Tenders to be POSTED to the undersigned to arrive not later than FRIDAY, 27th MAY, 1960.

BERTRAM WEBSTER,
Town Clerk.

Guildhall,
Worcester.

GILLINGHAM
BOROUGH.

STRATFORD ESTATE : STAGE III.
20 HOUSES AND 12 GARAGES.

FIXED PRICE TENDERS are invited for the ERECTION OF 20 HOUSES AND 12 GARAGES at Henley-close, Rainham, Kent.

Persons desirous of tendering may obtain copies of the Bills of Quantities, Specification and Form of Tender, and may inspect the drawings and Conditions of Contract at the Borough Engineer's Department during usual office hours on and after 11th MAY, 1960.

Applications should be accompanied by a cheque for five guineas (£5 5s. 0d.) made payable to Gillingham Corporation. This sum will be refunded on the receipt of a bona fide Tender not subsequently withdrawn.

Tenders in sealed envelopes supplied and endorsed "Tender for Stratford Estate Stage III." must be delivered to the undersigned by not later than 12 NOON on FRIDAY, 3rd JUNE, 1960.

FRANK HILL,
Town Clerk.

Municipal Buildings,
Gillingham,
Kent.
27th April, 1960.

HOVE
BOROUGH.

TENDERS are invited for the ERECTION OF A SPORTS PAVILION at the Nevill Playing Field.

Bills of Quantities will be available from Borough Engineer and Surveyor on or after 9th MAY, on payment of a deposit of three guineas which will be refunded on receipt of a bona fide Tender.

The Council does not bind itself to accept the lowest or any Tender.

Tenders on forms supplied, addressed to the undersigned in a plain sealed envelope endorsed "Tender for Sports Pavilion," must be delivered by 10 a.m. on MONDAY, 30th MAY, 1960.

JOHN E. STEVENS,
Town Clerk.

Town Hall,
Hove.
26th April, 1960.

BLACKROD
URBAN DISTRICT COUNCIL.

FIRM PRICE TENDERS are invited for either or both of the following Contracts :—

1. ERECTION OF 54 DWELLINGS complete with DRAINAGE, PATHS and SITE LAYOUT.

2. CONSTRUCTION OF ROADS AND SEWERS for the above development.

Bills of Quantities and Forms of Tender will be available on MONDAY, 2nd MAY, 1960, and may be obtained from the Clerk to the Council, Council Offices, Blackrod, upon a payment of 2 guineas for each set of Documents, returnable on receipt of a bona fide Tender not subsequently withdrawn.

The Tenders are to be returned in the envelopes provided to reach the undersigned not later than 12 NOON on MONDAY, 30th MAY, 1960.

The Council do not bind themselves to accept the lowest or any Tender.

WILLIAM HULBERT,
Clerk of the Council.

26th April, 1960.

BARKING
COMMITTEE FOR EDUCATION.

PARK MODERN SCHOOL EXTENSION.

The Council invites applications to TENDER for the above which is estimated to cost approximately £13,000. Bills of Quantities will be supplied to selected applicants against a deposit of £5 5s. 0d. which will be returnable upon receipt of a bona fide Tender.

Applications to Tender on a form to be obtained from the Borough Architect, Town Hall, Barking, should reach the undersigned not later than the 13th MAY, 1960.

E. R. FARR,
Town Clerk.

Town Hall,
Barking.

BRISTOL CITY
AND COUNTY.

TO BUILDING CONTRACTORS.

Housing Committee invite TENDERS for ERECTION OF THREE-STOREY BLOCK OF EIGHT FLATS, Bell Hill-road, St. George, in traditional construction. Contractors willing to submit a fixed price Tender, apply to City Architect, Council House, College-green, Bristol, 1, by 18th MAY. Bills of Quantities issued soon after.

GILLINGHAM
BOROUGH.

TWYDALL HAWTHORNE ESTATE.
62 FLATS.

FIXED-PRICE TENDERS are invited for the ERECTION OF 1 BLOCK OF 62 FLATS in four storeys comprising of 28 two-bedroom, 34 one-bedroom flats, outbuildings and 44 car ports at Goudhurst-road, Gillingham, Kent.

Persons desirous of tendering may obtain copies of the Bill of Quantities, Specification and Form of Tender, and may inspect the drawings and Conditions of Contract at the Borough Engineers' Department during usual office hours on and after 16th MAY, 1960.

Applications should be accompanied by a cheque for five guineas (£5 5s.) made payable to Gillingham Corporation. This sum will be refunded on the receipt of a bona fide tender not subsequently withdrawn.

Tenders in sealed envelopes supplied and endorsed, "Tender for Goudsturst-road Flats," must be delivered to the undersigned by not later than 12 noon on FRIDAY, 17th JUNE, 1960.

FRANK HILL,
Town Clerk.

Municipal Buildings,
Gillingham,
Kent.
27th April, 1960.

EAST SUFFOLK
COUNTY COUNCIL.

COUNTY HALL, IPSWICH.
EXTENSIONS.

The Council propose to invite FIRM-PRICE TENDERS from selected builders, for the ERECTION OF EXTENSIONS OF SOME 5,000 SQUARE FEET FLOOR AREA in light construction at third floor level over the existing buildings.

Drawings, prepared under the direction of Mr. E. J. Cundliffe, A.R.I.B.A., County Architect, can be seen at the County Hall, Ipswich, between 9 a.m. and 5 p.m.

Building Contractors wishing to tender should submit their names to the County Architect, County Hall, Ipswich, before the 24th MAY, 1960. From the names submitted a number of builders will be selected and these will be furnished with Bills of Quantities, etc., on or about the 31st MAY, 1960; builders not selected will be notified at the same time. Tenders are required by the 14th JUNE, 1960.

ESSEX
COUNTY COUNCIL.

EXTERNAL AND INTERNAL DECORATIONS.

Contractors wishing to submit firm price TENDERS for the following schools should forward their names, from which panels will be chosen and provided with specifications.

COUNTY SECONDARY SCHOOLS.

(1) Hornchurch Brittons. Approximate value £5,000.

(2) Grays-park. Approximate value £3,000.

(3) Thurrock Torells Boys. Approximate value £4,400.

(4) Ockendon Courts. Approximate value £3,000.

(5) Grays County Technical. Approximate value £2,300.

(2), (4) and (5) INTERNAL DECORATIONS.

(1) and (3) INTERNAL AND EXTERNAL DECORATIONS.

The contracts are to be carried out during Summer and Christmas holidays.

Separate applications for each contract to reach the undersigned not later than 14th MAY, 1960.

H. CONOLLY, C.B.E., F.R.I.B.A.
County Architect.

County Hall,
Chelmsford.

HARROW
BOROUGH.

RENEWAL OF FENCES, ETC.

TENDERS are invited for the REPLACEMENT OF BOUNDARY AND GARDEN FENCES, SIDE ENTRANCE GATES AND CLOSE BOARDED SCREENS on the Corporation's Pinner-hill Estate, Pinner, and the Berridge Estate, Edgware.

Conditions of Contract may be inspected at the office of, and a copy of the Forms of Tender and Specification obtained on application to, the Borough Engineer and Surveyor, Council Offices, "Cottesmore," 48 Uxbridge-road, Stanmore, Middlesex, upon payment of Two Pounds, by crossed cheque for each Tender, made payable to the Harrow Corporation, and returnable where a bona fide Tender reaches me within the prescribed time.

Tenders, on the prescribed form, are to be enclosed in plain sealed envelopes, bearing no indication or mark of the sender and carrying the label provided, suitably endorsed, and delivered to my office, not later than 10 a.m. on TUESDAY, 31st MAY, 1960.

The Corporation does not bind itself to accept the lowest, or any, Tender.

D. H. PRITCHARD,
Town Clerk.

Town Clerk's Office,
Harrow Weald Lodge,
92 Uxbridge-road,
Harrow Weald,
Middlesex.

MIDDLETON
BOROUGH.

PAINTING OF :

80 HOUSES, THREE-BEDROOM, Hollin Estate, 5th Section.

68 HOUSES, THREE-BEDROOM, Hollin Estate, 5th Section.

36 FLATS, ONE-BEDROOM, Hollin Estate, 5th Section.

87 HOUSES (1930 Act), Boarshaw Estate.

90 HOUSES (1924 Act), Boarshaw Estate.

The Council invite TENDERS for EXTERNALLY PAINTING 361 HOUSES, to be Tendered for in separate lots.

Specifications and Conditions of Contract may be obtained from the Borough Architect, Town Hall, Middleton, nr. Manchester.

Tenders, in plain sealed envelopes and endorsed "Externally Painting Houses, Middleton," are to be received by the undersigned not later than FIRST POST, FRIDAY, 3rd JUNE, 1960.

FRANK JOHNSTON,
Town Clerk.

Town Hall,
Middleton,
Nr. Manchester.
28th April, 1960.

ILFORD
BOROUGH.

ERECTION OF 12 GARAGES IN WENSLEYDALE-AVENUE.

The Corporation invites TENDERS for these works.

Conditions of contract may be inspected upon application to the Borough Engineer, Town Hall, Ilford, from whom the specification and drawings and form of Tender may be obtained upon payment of a deposit of two guineas, which is returnable upon receipt of a bona fide Tender not subsequently withdrawn.

Tenders, sealed in an envelope which will be provided but bearing no name or mark indicating the sender must be delivered to the Town Clerk, Town Hall, Ilford, not later than 4 p.m. on the 1st JUNE, 1960.

SOMERSET
COUNTY COUNCIL.

EDUCATION COMMITTEE.

Applications are invited from Building Contractors wishing to submit a FIXED-PRICE TENDER for proposed Alterations and Extensions at:

ANSFORD SECONDARY MODERN SCHOOL.

Applications should be submitted to the undersigned not later than MONDAY, 16th MAY, 1960, and should contain an assurance that the applicant has the necessary financial and material resources and organisation to undertake the work.

The Committee reserves the right to select from the applicants a list of firms who will be invited to submit tenders, and does not bind itself to accept the lowest or any tender.

A deposit of £2 2s. will be required from those firms selected which will be returned upon receipt of a bona fide tender or the return of the Bill of Quantities.

No tender will be considered unless submitted in the endorsed envelope which will be provided.

R. O. HARRIS, F.R.I.B.A., County Architect.

The Crescent, Taunton.

WOLVERHAMPTON
COUNTY BOROUGH.

Building Contractors are invited to TENDER for the ERECTION OF CHANGING ACCOMMODATION and a TEA ROOM at Bantock Park.

Applications for Form of Tender and Bills of Quantities should be made to the Borough Engineer, Town Hall, Wolverhampton, by 20th MAY, accompanied by a deposit of Two Guineas which will be refunded upon receipt of a bona fide Tender.

Tender documents, which will be sent to applicants as soon as possible, will indicate the date by which Tenders are to be submitted.

MIDDLESBROUGH
COUNTY BOROUGH.

ERECTION OF:

(a) 29 and 30 HOUSES at Easterside (Groups 24 and 25).

(b) 36 FLATS at St. Hilda's (Section IV).

TENDERS are invited for the above works. Bills of Quantities from Borough Engineer, deposit 2 guineas in each case. Tenders to be received by the Town Clerk on or before MONDAY, 30th MAY, 1960.

CLACTON
URBAN DISTRICT COUNCIL.

DRESSING ROOMS—EASTCLIFF SPORTS GROUND.

TENDERS invited for CONSTRUCTION OF BRICK AND TILED DRESSING ROOMS at the Eastcliff Sports Ground.

General Conditions of Contract may be inspected at the Office of the Engineer and Surveyor, Town Hall, Clacton-on-Sea, from whom Drawings, Specification and Form of Tender may be obtained upon payment of a deposit of Two Guineas, refundable on receipt of a bona fide Tender.

Tender Forms, etc., must be delivered in a plain sealed envelope, endorsed "Tender for Dressing Rooms, Eastcliff Sports Ground," but bearing no name or distinguishing mark indicating the sender, to the undersigned not later than TUESDAY, 31st MAY, 1960. Tenders received without such endorsement will not be considered.

The Council do not bind themselves to accept the lowest or any Tender, and canvassing, either directly or indirectly, will disqualify.

CHARLES B. HEARN, Clerk of the Council.

Town Hall, Clacton-on-Sea.

BIRMINGHAM CITY.

TO BUILDING CONTRACTORS.

CONTRACT 715—14 ONE- AND TWO-STOREY DWELLINGS—WOODCOCK-LANE, NORTHFIELD.

CONTRACT 730 (O-R)—50 ONE- AND TWO-STOREY DWELLINGS—KINGS HEATH AREA.

The House Building Committee invite FIRM PRICE TENDERS for the ERECTION OF THE ABOVE.

Bills of Quantities and Forms of Tender will be forwarded on payment of £2 2s. for each contract at the office of A. G. Sheppard Fidler, City Architect, Civic Centre, Birmingham, 1, to whom all cheques should be made payable. Applications should be made by 10th MAY, 1960. Conditions of Contract (which include the usual Fair Wages and Conditions of Labour Clause) may be seen at the City Architect's Office during normal working hours.

The deposits will be returned on receipt of bona fide Tenders or on notification of inability to tender, together with the return of the documents not later than THREE DAYS before the date for receipt of Tenders.

Tenders, enclosed in the envelopes provided for the purpose, must be sealed and delivered to the Town Clerk's Office (Room No. B.31), Council House, Birmingham, 1, not later than 12 NOON on FRIDAY, the 10th JUNE, 1960. Tenders received after that time will be rejected.

The Committee do not bind themselves to accept the lowest or any Tender.

T. H. PARKINSON, Town Clerk.

The Council House, Birmingham, 1.

WANDSWORTH
METROPOLITAN BOROUGH.

HOUSING AT PUTNEY.

Contractors experienced in reinforced concrete framed construction wishing to TENDER for ERECTION OF 8 HOUSES AND 118 FLATS AND MAISONETTES in 2- 5- and 11-storey blocks at West Hill, Putney, should submit names to me by 13th MAY, 1960, giving details of experience, plant and technical and supervisory staff available together with names of two technical and two financial referees. Bills of quantities will be issued to selected contractors in due course.

Drawings may be examined at office of Sir Lancelot Keay, K.B.E., M.Arch. (Lvpl.), PP.R.I.B.A., 22 Oldbury-place, London, W.1.

J. NOEL MARTIN, Town Clerk.

Municipal Buildings, Wandsworth, S.W.18.

NEWCASTLE
REGIONAL HOSPITAL BOARD.

HEMLINGTON HOSPITAL, MIDDLESBROUGH.

The Board proposes to ERECT A NEW X-RAY DEPARTMENT AND LINK CORRIDOR at the above hospital.

The main building will be of single-storey construction, with brick walls and precast reinforced concrete roof. The whole building will contain an approximate floor area of 4,700 sq. ft.

Tender documents will be ready for issue to Contractors during June, 1960, and it is expected that it will be possible for the building operations to commence in August, 1960.

The project has been planned by and will be carried out under the direction of the Regional Architect, Mr. P. H. Knighton, M.B.E., A.R.I.B.A.

Contractors wishing to tender for this work are asked to submit their names to the Secretary of the Board, Benfield-road, Newcastle upon Tyne, 6, not later than 12th MAY, 1960. A limited number of Contractors may be selected and asked to tender, but the lowest or any Tender will not necessarily be accepted.

ESSEX
COUNTY COUNCIL.

THURROCK TORELLS COUNTY SECONDARY GIRLS' SCHOOL. TWO ADDITIONAL CLASSROOMS.

Contractors wishing to submit a FIRM PRICE TENDER for the ERECTION OF THE ABOVE should forward their names, from which a panel will be chosen and provided with tender documents.

The work consists of the completion of existing teaching block to form two additional classrooms at ground floor level, in traditional construction, estimated cost £4,000. The private architect for this contract is Clifford Culpin, Doughty-street, London, W.C.1.

Applications to reach the undersigned not later than 14th MAY, 1960.

H. CONOLLY, C.B.E., F.R.I.B.A., County Architect.

County Hall, Chelmsford.

WIMBLEDON
BOROUGH.

TENDERS are invited for the ENLARGEMENT OF THE KITCHEN and COMPLETE REDECORATION OF THE PREMISES at Wimbledon Park Hall. Particulars from Borough Engineer, Town Hall, Wimbledon, S.W.19. Tenders to be received by MONDAY, 30th MAY, 1960.

NEWCASTLE
REGIONAL HOSPITAL BOARD.

PRUDHOE AND MONKTON HOSPITAL

A major expansion programme is being carried out at this hospital, the work being divided into four consecutive phases each lasting approximately 18 months. In the third phase it is proposed to erect the following buildings in two separate contracts:—

(A) First Contract, under the direction of P. H. Knighton, M.B.E., A.R.I.B.A., Regional Architect.

(i) ONE SINGLE-STOREY 60-BED VILLA; brick, slated roof, floor area approximately 16,000 feet super.

(ii) ONE SINGLE-STOREY 40-BED VILLA; brick, slated roof, floor area approximately 9,000 feet super.

(iii) TWO-STOREY EXTENSION TO EXISTING NURSES' HOME; brick, slated roof, floor area approximately 8,000 feet super.

(B) Second Contract, under S. W. Milburn & Partners, Chartered Architects, Sunderland, in conjunction with the Regional Architect.

(i) FOUR TWO-STOREY 25-BED VILLAS; brick, slated roof, total floor area approximately 20,000 feet super.

(ii) ONE SINGLE-STOREY 30-BED VILLA; brick, slated roof, floor area approximately 7,000 feet super.

(iii) A TWO-STOREY SCHOOL; steel-framed construction, with felt-covered timber flat roof, floor area approximately 25,000 feet super.

(iv) TWO TWO-STOREY HOUSES for Medical staff.

Tender documents available in May or early June, 1960. Building work expected to start in September, 1960.

Contractors wishing to tender should apply to the Secretary of the Board, Benfield-road, Newcastle upon Tyne, 6, not later than 18th MAY, 1960, stating in which contracts they are interested. A limited number of contractors may be selected to tender.

EAST SUSSEX
COUNTY COUNCIL.

ST. LEONARDS, EAST GRINSTEAD.

The East Sussex County Council propose to invite TENDERS from Building Contractors for the INSTALLATION OF A HOSPITAL LIFT at the above.

Contractors wishing to tender should apply before 13th MAY, 1960, to the County Architect, County Hall, Lewes.

Selected Contractors will be provided with tender documents on 31st MAY, 1960.

MORECAMBE & HEYSHAM
BOROUGH.

PROPOSED PUBLIC CONVENIENCES OPPOSITE HAPPY MOUNT PARK.

TENDERS are invited for the ERECTION OF PUBLIC CONVENIENCES opposite Happy Mount Park.

General Conditions, Specifications, Bills of Quantities and Form of Tender may be obtained from, and Plans inspected at the office of the Borough Engineer and Surveyor, upon payment of a deposit of £2, which will be returned on receipt of a bona fide Tender not subsequently withdrawn.

Tenders, endorsed "Public Conveniences," must reach me by 9 a.m. TUESDAY, 7th JUNE, 1960.

ROGER ROSE, Town Clerk.

2nd May, 1960.

GREENWICH
METROPOLITAN BOROUGH.

DUTCH ALMSHOUSES—CHARLTON CHURCH-LANE, S.E.7.

Applications are invited from those willing to TENDER for the execution of works, including the PROVISION OF ADDITIONAL SANITARY ACCOMMODATION AND REDECORATION, TO PROVIDE 27 UNITS OF ACCOMMODATION in two blocks at the above.

Plans may be inspected and other particulars obtained at the office of the Borough Engineer and Surveyor.

Selected applicants will be notified by post and will be supplied with Bills of Quantities and other documents required to enable them to tender.

Tenderers will be required to sign, or to refuse to sign, a certificate declaring that they are not parties to any scheme or arrangements with other tenderers in respect of the amount of or the adjustment of their Tender. The full wording of the certificate may be obtained from the undersigned.

Applications must reach the Borough Engineer and Surveyor at the Town Hall by NOON of 17th MAY, 1960, and must include details of similar work undertaken recently.

G. C. TURK, Town Clerk.

Town Hall, Greenwich, S.E.10. April, 1960.

SALFORD CITY
EDUCATION COMMITTEE.

FIRM PRICE TENDERS are invited for the ERECTION OF CROMWELL SECONDARY MODERN SCHOOL, PHASE II. Plans and General Conditions may be inspected at the office of the Architects, Messrs. Cruickshank and Seward, Royal London House, 196 Deansgate, Manchester. Specification, Bills of Quantities and Form of Tender (which will be available on 20th MAY, 1960) obtainable from the Architects on payment of a deposit cheque for £3 3s. 0d. (three guineas), made payable to the Salford Education Committee and which will be returnable on submission of a bona fide Tender not subsequently withdrawn. Firm price Tenders are to be endorsed as instructed and addressed to the Town Clerk, Town Hall, Salford 3, so as to be received not later than 10 a.m. on TUESDAY, 14th JUNE, 1960.

The Council is not bound to accept the lowest or any Tender.

R. RIBBLESDALE THORNTON, Town Clerk.

CARLISLE CITY.

CARLISLE GRAMMAR SCHOOL—EXTENSION NO. 2.

TENDERS are invited for the above.

The structure is in reinforced concrete construction with a considerable amount of prestressed work.

Particulars from City Surveyor, 18 Fisher-street.

Closing date 31st MAY, 1960.

H. D. A. ROBERTSON, Town Clerk.

Pointing the way...
TO CONSTANT ACCURACY IN PROPORTIONING AND LOWEST CONCRETE PRODUCTION COSTS

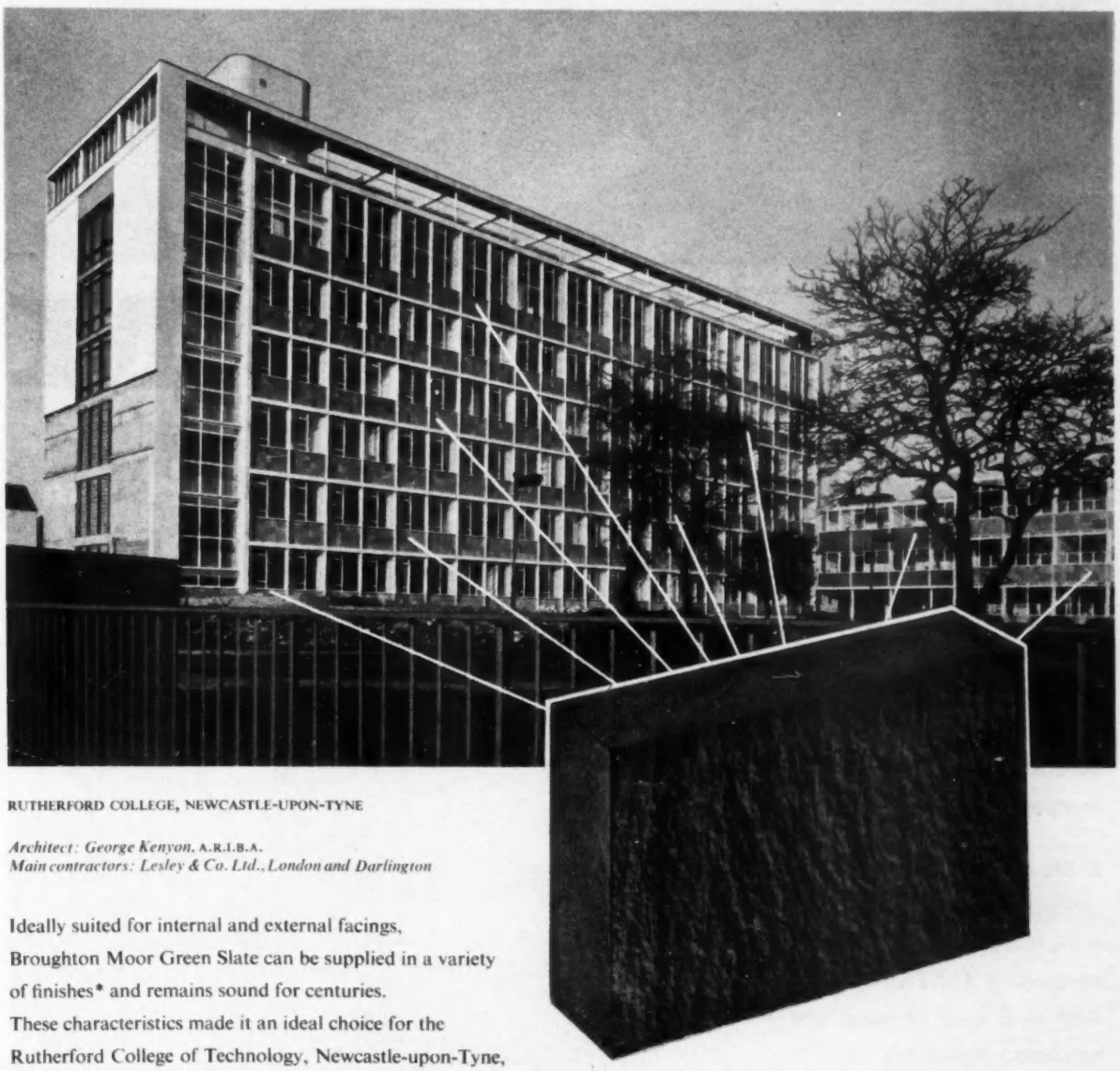
REX

A complete range . . . 3½T, 5E, 7E, 7S, 10S, 12S and 14S with choice of steel wheels or pneumatics. Folding Hydraulic Weigher and Drag Loader Shovel available for 7S, 10S, 12S and 14S models. Illustrated literature and prices on request

BLAW KNOX LIMITED Box No 113
90/94 Brompton Road, London S.W.3. Telephone: KENsington 5151

BK 579

BROUGHTON MOOR OLIVE GREEN SLATE, RIVEN FINISH



RUTHERFORD COLLEGE, NEWCASTLE-UPON-TYNE

Architect: George Kenyon, A.R.I.B.A.
Main contractors: Lesley & Co. Ltd., London and Darlington

Ideally suited for internal and external facings, Broughton Moor Green Slate can be supplied in a variety of finishes* and remains sound for centuries. These characteristics made it an ideal choice for the Rutherford College of Technology, Newcastle-upon-Tyne, architect: George Kenyon, A.R.I.B.A., City Architect. For this contract, Broughton Moor Olive Green naturally riven slate was used, approximately 16,000 square feet being supplied in the form of Ormecraft panels, to which the Broughton Moor Olive Green Slate was cramped and bonded. About 5,000 square feet of the same slate was fixed traditionally.

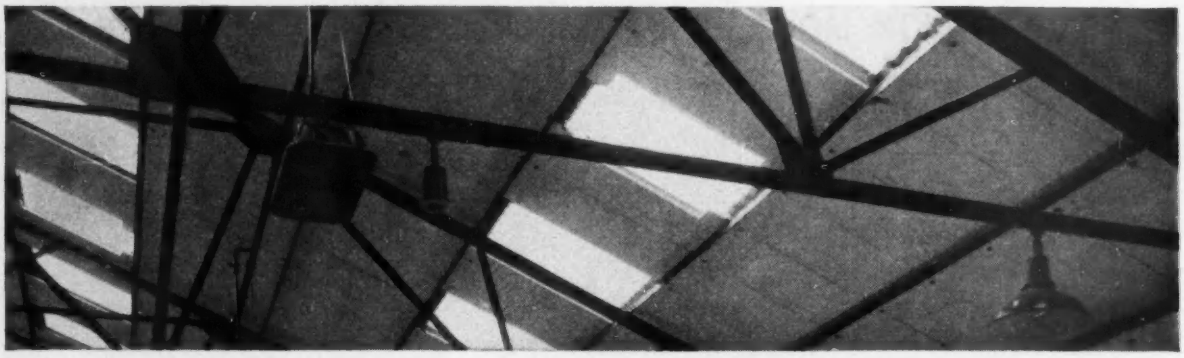
** An example of Broughton Moor Green Slate showing the naturally riven finish. Finely rubbed, sanded and frame sawn finishes are also supplied and all are available in three distinct colours: Light Sea Green, Olive Green and Pale Green Barred.*
Technical pamphlets showing typical methods of fixing are available as follows:

1. *Flooring*
2. *Facing*
3. *Coping*
4. *Cills*
5. *Riven Face Slabs*

Broughton Moor

GREEN SLATE QUARRIES LTD

CONISTON · THE LAKE DISTRICT · LANCASHIRE · TELEPHONE: CONISTON 225-6



M

insulating?...

from any angle of approach,

*the answer is MARLEYCEL**

for any stipulated 'U' value, with any type of construction, Marleycel can be installed at a lower cost than any alternative insulating material... speedily, and without disturbance to existing construction.

¾" Marleycel, applied to asbestos cement sheeting in this factory, gave a 'U' value of 0.21, more than meeting the stipulated minimum of The Factory Insulation Act of 1958 at a lower installed cost than any satisfactory alternative.

Marley Technical Staff will always advise on installation procedures and the appropriate Marleycel thickness.

**MARLEYCEL*

expanded polystyrene plastic. A pure white insulating material of moulded cellular structure, supplied in featherweight sheet form. Manufactured by Shell and developed by Marley, to serve the building industry.

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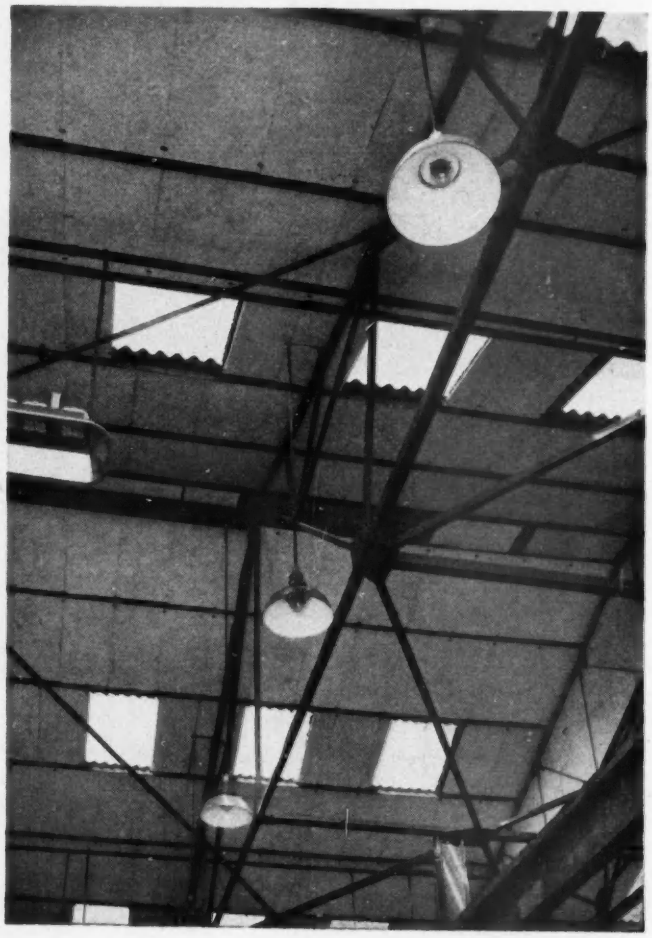


MARLEYCEL

DORSET
COUNTY COUNCIL.

PROPOSED GRAMMAR/MODERN SCHOOL (FIRST PHASE) FOR 330 PUPILS AT BEAMINSTER.

Applications are invited from Building Contractors who are desirous of TENDERING for the ERECTION OF THE ABOVE-MENTIONED SCHOOL.

The works consist of the erection of a main building, partly three, partly two and partly one storey in height, and of a separate smaller practical block one storey in height. Construction will be mostly of reinforced concrete and some load-bearing brickwork.

The external works include drainage, access road, paths, playgrounds.

Applications are to be received by the undersigned not later than 10 a.m. on FRIDAY, 13th MAY, 1960, and Contractors should state with their applications their available labour force, plant and organisation, with particulars of any similar work carried out and the names of Architects for whom they have worked.

The Council reserves the right to select from the applicants firms to be invited to submit competitive Tenders and does not bind itself to accept the lowest or any Tender.

Plans may be inspected at the County Architect's Department, County Hall, Dorchester, and at the offices of the Quantity Surveyors, Messrs. Venning, Hope & Partners, 16 The Crescent, Taunton.

Bills of Quantities are expected to be issued about the middle of MAY, 1960, and four weeks will be allowed for tendering.

It is anticipated that the contract will be placed with the successful contractor within two months of receipt of Tenders, and the period of the contract will be two years.

C. P. BRUTTON,
Clerk of the County Council.

County Hall,
Dorchester.
2nd May, 1960.

ATTENTION ADVERTISERS

Classified advertisements in this section can be accepted up to 12 o'clock noon on the TUESDAY prior to issue. It is regretted that advertisements cannot be accepted by telephone.

PUBLIC APPOINTMENTS

LONDON
COUNTY COUNCIL.

ARCHITECT'S DEPARTMENT.

Vacancies exist at Grade III and Technical Assistant levels for BUILDER'S ESTIMATORS to price bills of quantities for major building projects. Up to £1,135 (now under review with probable maximum £1,250) according to experience.

Form and particulars from Hubert Bennett, F.R.I.B.A., Architect to Council (EK/B/1009/5), County Hall, London, S.E.1.

GLOUCESTERSHIRE
COUNTY COUNCIL.

APPOINTMENT OF ASSISTANT ARCHITECTS.

Applications are invited for the following appointments:

SHIRE HALL RE-DEVELOPMENT

(a) "Career Class" commencing in A.P.T. Grade IV (£1,065-£1,220) progressing to A.P.T. Grade V (£1,220-£1,375) subject to satisfactory report on reaching appropriate incremental point in Grade. The appointment offers considerable scope in design and planning.

(b) A.P.T. Special Grade (£785-£1,070).

The work of both appointments consists of the preparation of plans for the re-development and re-organisation of the Shire Hall buildings, including Central Police Station, Magistrates' Court, Workshops, etc., together with further office accommodation.

EDUCATION, WELFARE, HEALTH, ETC., PROGRAMME

(c) "Career Class" Grading details as for post (a).

(d) A.P.T. Special Grade (£785-£1,070).

Applicants for posts (a) and (c) must be Registered Architects and Associate Members of R.I.B.A. and for posts (b) and (d) have passed Final Examination R.I.B.A.

N.J.C. Service Conditions, Superannuation, Medical Examination.

Applications, stating age, present position, salary and date of appointment, previous appointments, names and addresses of two persons for reference to be submitted to County Architect, Shire Hall, Gloucester, by 14th MAY, 1960.

GUY H. DAVIS,
Clerk of the County Council.

ADMIRALTY

—NAVY WORKS DEPARTMENT.
ARCHITECTURAL AND CIVIL ENGINEERING ASSISTANTS.

Vacancies exist in Navy Works Department Drawing Offices for ARCHITECTURAL and CIVIL ENGINEERING ASSISTANTS as shown. Posts are non-pensionable. Opportunities for transfer to Established Staff will occur.

ENGINEERING ASSISTANTS

Vacancies exist at Pinner (Middlesex), Portsmouth, Devonport, Liverpool, Chatham, Rosyth, Greenock, Macrihanish and Glen Douglas, and occur at Establishments elsewhere in the United Kingdom from time to time.

Applicants must be competent Draughtsmen and experienced designers in one or more of the following types of civil engineering works: structural steelwork; reinforced concrete; dock and harbour works; airfield construction; oil fuel schemes; roads, rail services and water supplies. O.N.C. or equivalent qualification. For the posts at Macrihanish and Glen Douglas preference will be given to candidates with surveying and setting out experience.

ARCHITECTURAL ASSISTANTS

Vacancies exist at Pinner (Middlesex), and Portsmouth. Applicants must be competent Draughtsmen and will be required for work with Professional Architects on the preparation of designs for a wide range of new works, including new housing designs and estate layouts; all forms of accommodation; specialised technical buildings and industrial buildings in H.M. Dockyards. Preference given to candidates studying for professional qualifications.

Salary: (National Rate—subject to slight variation dependent on location): starting from £550 p.a. (at age 21) to £760 p.a. (28 and over); maximum of scale—£875 p.a. Opportunities occur for promotion to Leading grade—salary maximum £1,025 p.a. National Rate.

Five-day week; annual leave 18 days rising to 22 after 10 years.

Consideration will be given to successful candidates being granted assistance to obtain professional or technical qualifications.

Candidates, who must be British subjects, are invited to apply, in writing (giving details of experience) to Director General, Navy Works, Admiralty, Chamberlain Way, Pinner, Middlesex.

Interview will be arranged locally.

PENGE
URBAN DISTRICT COUNCIL.

TENDERS are invited for the SUPPLY and INSTALLATION of the whole of the following:

ONE SOLID FUEL CAST IRON SECTIONAL HOT WATER BOILER rated at approximately 650,000 B.T.U./hr.

ONE HOPPER TYPE UNDER FEED AUTOMATIC STOKER to fire the above boiler, together with pipework adjustments and ancillary works and materials.

Tenders for individual items will not be accepted.

Tender documents may be obtained from the Engineer and Surveyor on payment of a deposit of five guineas, returnable if a bona fide tender is received which is not subsequently withdrawn.

Tenders in plain sealed envelopes are to be returned to the undersigned by noon on the 27th MAY, 1960.

PERCY J. BUNTING,
Clerk of the Council.

Town Hall,
Anerley-road,
S.E.20.

WORCESTER CITY.

PROPOSED GIRLS' GRAMMAR SCHOOL AND PROPOSED TEACHERS' TRAINING COLLEGE.
APPOINTMENT OF CLERKS OF WORKS.

Applications are invited for these two TEMPORARY APPOINTMENTS from men who have had considerable experience in the building trade. Work on both projects has very recently commenced and is expected in each case to take approximately two years to complete.

The salary for the appointments is £1,000 per annum.

The successful candidate will be required to undergo a medical examination.

Applications stating age, qualifications and experience and giving the names of two referees are to be addressed to the City Engineer and Surveyor, 22 Bridge-street, Worcester, so as to reach him by 17th MAY.

BERTRAM WEBSTER,
Town Clerk.

Guildhall,
Worcester.

SWINDON
EDUCATION COMMITTEE.

APPOINTMENT OF SENIOR ASSISTANT (BUILDINGS AND SITES).

Applications are invited for appointment as SENIOR ASSISTANT (BUILDINGS AND SITES) in the Education Department. Salary A.P.T. Grade III (£880-£1,065 p.a.). Candidates should possess suitable technical qualifications with practical experience in the building trade. Car allowance. Consideration may be given to an allocation of housing accommodation.

Further particulars and application forms, which must be returned by 23rd MAY, 1960, may be obtained from the Borough Education Officer, Civic Offices, Swindon, Wiltshire.

LIVERPOOL
REGIONAL HOSPITAL BOARD

require

ARCHITECTS

	Salary Scale
A. Principal Assistant Architects	£1665—2035
B. Senior Assistant Architects ...	£1300—1600
C. Assistant Architects	£ 905—1310
D. Architectural Assistants ...	£ 625— 900
E. Architectural Draughtsmen	£ 475— 685

Imaginative and keen Architects are required on the staff of the Regional Architect T. Noel Mitchell, B.ARCH.F.R.I.B.A. to assist in carrying out the expanding Hospital Building Programme. Interesting new building is projected, including new General and Specialised Hospitals and the complete replanning of a large number of older Hospitals, covering a wide variety of building types.

For appointments (A), (B) and (C) applicants should be qualified members of the R.I.B.A. and training in a recognised School of Architecture would be an advantage. Students completing their training this year are encouraged to apply. For appointment (D) applicants should be of Intermediate R.I.B.A. standard and for (E) should have had three years experience in architectural drawing.

All posts are superannuable and mileage allowances will be paid to approved car users. Applications should be returned to me within ten days indicating post applied for and stating age, education, qualifications, experience, present and previous appointments and names and addresses of three referees (two technical).

55 Castle Street
Liverpool, 2.

Vincent Collinge
Secretary to the Board.

INVERNESS
COUNTY COUNCIL.

invite applications for appointments in the County Water Engineer's Department as (a) ENGINEERS AND DRAUGHTSMEN. Salary scales, £855 to £1,120 and £605 to £865 per annum, with placing according to experience and qualifications. Experience in design and construction of rural water and drainage schemes desirable. Housing accommodation may be made available. (b) Juniors. Salary scale £210 to £600 per annum with placing according to age and experience.

Applications with two recent testimonials by 16th MAY to County Clerk, County Buildings, Inverness.

WORCESTERSHIRE
COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPT.

Applications are invited for the post of SENIOR ARCHITECT, Grade A.P.T. IV (£1,065-£1,220 per annum).

Forms of application and further particulars should be obtained from L. C. Lomas, F.R.I.B.A., County Architect, 14 Castle-street, Worcester, not later than 20th MAY, 1960. (Y.265.)

BUCKINGHAMSHIRE
COUNTY COUNCIL.

Applications are invited for the appointment of ASSISTANT QUANTITY SURVEYORS in the County Architect's Department on A.P.T. Grade IV, £1,065-£1,220 per annum.

The appointment is superannuable and subject to medical examination, and applicants should be suitably qualified.

A weekly allowance of 25s. and return fare home once every two months may be paid for six months to newly appointed married officers of the Council unable to find accommodation.

Applications, on forms provided, must be returned by 16th MAY, 1960.

F. B. POOLEY,
County Architect.

County Offices,
Aylesbury.

EAST HAM
COUNTY BOROUGH.

ASSISTANT PLANNING OFFICER, Grade A.P.T. I, £610-£765.

Vacancy in Borough Engineer's Department. London Weighting paid in addition. Salary above minimum paid according to qualifications and experience.

A subsistence allowance may be paid over a reasonable period to person appointed if unable to obtain suitable housing accommodation, necessitating the maintenance of two homes.

Details and application form from the Town Clerk, E.6.

Closing date 20th MAY, 1960.

HUYTON-WITH-ROBY
URBAN DISTRICT COUNCIL.

ARCHITECTURAL AND HOUSING DEPARTMENT.

Applications are invited for posts in the above Department as follows:—

(a) SENIOR ASSISTANT ARCHITECT, Grade A.P.T. IV (£1,065-£1,220).

(b) ARCHITECTURAL ASSISTANT, Grade A.P.T. II (£765-£880).

Candidates for post (a) should be associate members of the R.I.B.A., and candidates for post (b) should have passed the Intermediate Examination of the R.I.B.A.

The work of the Department consists of a large Housing and Capital Works programme.

The appointments will be subject to the Local Government Superannuation Acts and the National Conditions of Service, and will be terminable by one calendar month's notice in writing on either side.

Applications stating age, qualifications and experience, together with the names of two persons to whom reference can be made should reach R. T. Chappelle, A.R.I.B.A., Architect and Housing Director, Archway-road, Huyton, not later than MONDAY, 23rd MAY, 1960.

Canvassing disqualifies.

D. WILLGOOSE,
Clerk of the Council.

Council Offices,
Derby-road,
Huyton.

BRITISH RAILWAYS
London Midland Region

Applications are invited for the appointment of

ASSISTANT CLERKS OF WORKS

on the permanent staff of the Architect's Office based in London, Manchester, Liverpool and Derby at salaries up to £791 per annum (London £801).

Candidates must have trained as craftsmen and have a thorough knowledge of the Building Trade including mechanical and electrical services and experience in the erection of contemporary and traditional buildings. Superannuation Fund. Residential travel and other travelling facilities. Five day week.

Applications in writing stating age, qualifications and experience, quoting reference 104 (B) to:—

W. R. Headley, A.R.I.B.A., A.A.Dipl.,
Regional Architect,
Chief Civil Engineer's Office,
British Railways,
London Midland Region,
5a Euston Grove, London, N.W.1

WESTERN REGIONAL
HOSPITAL BOARD.

ARCHITECTURAL DIVISION.

The Board has decided to expand considerably its Architectural Department in order to undertake, with its own staff, a substantial proportion of the increased volume of new hospital building and applications are invited for the undernoted posts.

Exceptional opportunities will be available in the design, construction and function of hospitals from sketch plan stage to completion.

Hospital experience is not essential.

SENIOR ASSISTANT ARCHITECTS, Salary scale £1,300 x £60(5)-£1,600.

ASSISTANT ARCHITECTS, £905 x £35(1) x £45(6) x £50(2)-£1,310.

TRAINEES, salary according to age, £230 at age 15 rising to £480 at age 25.

Candidates for all posts, other than trainees, must possess full professional qualifications. All posts are subject to National Health Service Conditions and are superannuable. Applications in writing, stating age, qualifications and previous experience together with the names and addresses of three referees should be sent to the Secretary, 351 Sauchiehall-street, Glasgow, C.2, not later than 28th MAY.

GUILDFORD
BOROUGH.

Applications are invited for the following posts:—

(a) ARCHITECTURAL ASSISTANT, A.P.T. III (£880-£1,065 p.a.).

(b) ARCHITECTURAL ASSISTANT, A.P.T. II (£765-£880 p.a.).

Applicants for (a) should have passed the Intermediate Examination of the Royal Institute of British Architects and have had practical experience in general architectural work and housing.

Applicants for (b) must be capable of preparing working drawings and details. Preference will be given to candidates who have reached the Intermediate Examination Standard of the Royal Institute of British Architects. The commencing salary will be fixed in accordance with experience and qualifications.

Consideration will be given to the provision of housing accommodation if required for both (a) and (b).

Applications, with names and addresses of two referees, must be sent to the Borough Engineer and Surveyor, Municipal Offices, High-street, Guildford, Surrey, by FRIDAY, 20th MAY, 1960.

H. C. WELLER,
Town Clerk.

HARLOW
DEVELOPMENT CORPORATION.

Applications are invited for the following posts in the Architect's Department:

(a) ARCHITECT, A.P.T. VI, £1,163-£1,390.

(b) ARCHITECT, A.P.T. V, £1,220-£1,375.

(c) ASSISTANT ARCHITECT, A.P.T. IV, £1,065-£1,220.

(d) ASSISTANT ARCHITECT, A.P.T. III, £880-£1,065.

(e) ASSISTANT ARCHITECT, A.P.T. II, £765-£880.

Appointments will be made at a salary within the scale according to qualifications and experience. Applicants for posts (a), (b), (c) and (d) must be Associate Members of the R.I.B.A. and for post (e) must have passed the Intermediate Examination of the Institute, and successful applicants in appropriate cases will on qualifying be placed in A.P.T. III.

Housing provided in suitable cases.

Applications, stating age, qualifications, experience, etc., and post applied for, together with the names of two persons to whom reference may be made, to be addressed within 14 days to: The General Manager, "Terlings," Harlow, Essex.

MANSFIELD
BOROUGH.

APPOINTMENT OF ARCHITECTURAL ASSISTANT
(Special Grade £785-£1,070).

Applications are invited for the above VACANCY in the Borough Engineer and Surveyor's Department.

Applicants should be qualified in accordance with paragraph (ix) (c) of the scheme of conditions of service; commencing salary will depend on experience. House on service tenancy may be rented if required. It is the Corporation's wish that the person appointed should live within the Borough.

Applications stating age, marital status, training, past and present appointments with salary, and experience, together with the names of three referees should be sent to the Borough Engineer and Surveyor, Carr Bank, Mansfield, to arrive not later than MONDAY, the 16th MAY, 1960.

A. C. SHEPHERD,
Town Clerk.

Carr Bank,
Mansfield.

MAIDSTONE
BOROUGH.

Applications are invited for the appointment of a TECHNICAL ASSISTANT in the Housing Department, for work on improvements to Council dwellings.

Preference will be given to applicants who have passed the Intermediate examination of Royal Institute of Chartered Surveyors (Building Section), or hold a similar qualification.

Salary within Grade A.P.T. II (£765-£880 p.a.) commencing salary dependent upon qualifications and experience.

Where circumstances warrant, the Council will be prepared to consider provision of housing accommodation.

Forms and particulars from Housing Manager, Court House, Palace-avenue, Maidstone.

T. SCHOLES,
Town Clerk.

29th April, 1960.

BEXLEY
BOROUGH.

ASSISTANT ARCHITECT.

Applications are invited for this appointment at a salary within Grade A.P.T. III (£880 to £1,065 per annum) plus London Weighting.

Candidates should have had experience in school and housing projects.

Form of application and conditions of appointment are obtainable from the Borough Engineer, West Lodge, Broadway, Bexleyheath, Kent, to whom completed applications must be returned by the 16th MAY, 1960. The Council may be prepared to assist in the provision of housing accommodation.

Canvassing will disqualify.

ARTHUR GOLDFINCH,
Town Clerk.

BRACKNELL
DEVELOPMENT CORPORATION.

Applications are invited from Corporate Members of the R.I.B.A. for the post of SENIOR ARCHITECT, salary range £1,392 x £57(4)—£1,620. The successful applicant will be required to take charge of the Section dealing with the erection of Industrial buildings, and applicants should, therefore, have had considerable experience in the design and construction of this type of building. Superannuation schemes, medical examination. Housing available.

Apply by 18th MAY, 1960, giving age, education and qualifications, experience and appointments held (with dates and salaries) and names of two referees to General Manager (S.A.) Bracknell Development Corporation, Farley Hall, Bracknell, Berks.

HAYES & HARLINGTON
U.D.C.

BUILDING FOREMAN (Works Dept.). Required. Salary within Miscellaneous Grade V, i.e. £650-£715 p.a., plus appropriate London "Weighting." Candidates should hold an Ordinary National Certificate in Building or a comparable qualification and must have served full apprenticeship and gained experience as a building foreman. Duties of successful candidate include inspections, reports, brief specifications and allocation of time sheets. Ability to control an outside direct labour staff in all building trades essential. The Council is unable to assist with the provision of housing accommodation.

Further particulars and conditions of service and form of application obtainable from the undersigned, which when completed must be returnable by 16th MAY, 1960.

GEORGE HOOPER,
Clerk and Solicitor.

Town Hall,
Hayes,
Middlesex.

LONDON
COUNTY COUNCIL.

ARCHITECT'S DEPARTMENT.

CLERKS OF WORKS Required to supervise painting and cleaning contracts at schools for 12-week period from 11th JULY, 1960. £15 3s. 6d. a week. Form, returnable by 20th MAY, from Architect (EK/B/1092/5), County Hall, London, S.E.1.

Company Meeting

MYTON LIMITED

PROGRESS MAINTAINED

The Twenty-fifth Annual General Meeting of Myton Limited will be held in London on May 25, 1960. The following is a statement by the Chairman, Mr. John Hanson, which has been circulated with the Report and Accounts for the year ended December 31, 1959.

I have much pleasure to report that the profit of your company and its subsidiaries for the year ended December 31, 1959 was £77,313 compared with £60,049 in respect of the previous year, which under existing conditions can be considered to be not unsatisfactory.

During the past year we have commenced work on further contracts in the London area including the "Zidpark" fully automatic car park at Southwark Bridge and Hillgate House, a very large Office Block at Ludgate Hill in the City, both of which have attracted favourable press comment.

The second phase of a comprehensive development at George Street, Croydon, is well advanced and, therefore, a start has been made on the third and final stage of this particular project which, when completed, will substantially alter the character of this particular area of Croydon.

In the latter half of last year we commenced construction of an hotel adjacent to London Airport which has also aroused considerable interest in the press; work is well up to schedule on this interesting and complex development which involves many problems of sound proofing and efficient ventilation and heating.

In the Midlands and North-East England we are developing housing estates on our own account as well as housing development and flats for Local Authorities in other parts of the country.

Our order position is not unsatisfactory despite the continuation of very keen competition in the building industry.

It is with very great regret that I have to report the death of Mr. P. A. Elliott, Director and General Manager of your company, who died suddenly in October last year. Mr. Elliott's passing was a great loss to your Company.

Mr. B. F. Higgs was appointed Managing Director and Mr. C. J. Lawson was appointed a Director of the company on October 22, 1959 and I would like to place on record that I am very pleased to have them join my colleagues and I on the Board.

Employers continue to show confidence in our work by placing contracts with us and I wish to thank them and also express my appreciation to the many Architects, Consulting Engineers, Quantity Surveyors and other professional people with whom and for whom we are privileged to work.

In conclusion I would again like to express my sincere thanks to our team of loyal and trustworthy executives and staff without whose support your company could not operate, and finally may I say how grateful I am to my colleagues on the Board who give all their experience and "know-how" to the further development and continued progress of your company.

METROPOLITAN POLICE.

RECEIVER'S OFFICE
requires
SANITARY ENGINEERING DRAUGHTSMEN
for interesting and varied work in connection with
POLICE HOUSING AND NON-HOUSING BUILDING PROGRAMMES.
£570 p.a. at age 21 rising by annual increments to a maximum of £900 p.a.

Starting pay according to age. Maximum age entry point—£783 p.a. (age 28).

Applicants to have Ordinary National Certificate as a minimum qualification. Previous experience on similar work would be considered an advantage.

Apply in writing to:
Room 578 (B),
Receiver's Office,
New Scotland Yard,
S.W.1.

BIRKENHEAD COUNTY BOROUGH.

BOROUGH ARCHITECT'S DEPARTMENT.

ASSISTANT ARCHITECTS, ASSISTANT QUANTITY SURVEYOR. Salary within the Special Classes Scale (£785-£1,070). Candidates must be suitably qualified and experienced. The posts offer interesting and responsible work in connection with the Council's extensive programme of Schools and other major projects. Form of application and further particulars from Borough Architect's Department, 3 Conway-street, Birkenhead. Closing date for applications—17th MAY, 1960. Relationship to Members or Senior Officers of the Council must be disclosed.

NORTH-EAST METROPOLITAN REGIONAL HOSPITAL BOARD.

REVISED SALARY SCALES
for appointment advertised on 15th April, 1960.

SENIOR ASSISTANT ARCHITECTS, £1,350 x £60 5)—£1,650—inclusive of London Weighting. (New entrants commence at minimum.)

ASSISTANT ARCHITECTS.

Commencing salary according to age and experience on scale rising to £1,360, inclusive of London Weighting.

Applicants must be registered Architects having passed the requisite examinations and must be good designers capable of preparing working drawings and specifications for, and undertaking site supervision of, all types of building projects. Assistant Architects work under limited supervision.

Applications giving date of birth, present salary, qualifications and experience with dates, together with the names of two referees to Secretary, North-East Metropolitan Regional Hospital Board, 40 Eastbourne-terrace, London, W.2, WITHIN 14 DAYS.

METROPOLITAN POLICE.

RECEIVER'S OFFICE
requires
ASSISTANT MAINTENANCE SURVEYOR.

Salary—£830 per annum at age 25 rising by annual increments to a maximum of £1,300 per annum. (Starting pay according to age. Maximum salary payable on entry—£1,125 per annum, being the age 34 point on the scale.)

Qualifications Required — Applicants must be registered Architects or have achieved Corporate membership of R.I.C.S. (Building Surveying Section).

Apply To—Chief Clerk (B), Architect and Surveyor's Department, New Scotland Yard, S.W.1.

MIDLANDS ELECTRICITY BOARD.

Third ASSISTANT ENGINEER (CIVIL) Required in the Building Section at the Headquarters of the Worcester & District Sub-Area. Duties will include the design and supervision of alterations to Service Centres, civil works and switch houses associated with 66 and 33 kV outdoor substations. Knowledge of modern building methods essential. Technical qualifications desirable.

Salary £965-£1,025 per annum (N.J.B. Grade K.10). Superannuable.

Apply by letter, WITHIN 14 DAYS, stating age, qualifications, experience, present position and salary to Mr. R. Mallet, Sub-Area Manager, Midlands Electricity Board, P.O. Box 52, Blackpole-road, Worcester.

F. W. CATER,
Secretary.

EAST HAM COUNTY BOROUGH.

ARCHITECTURAL ASSISTANTS, A.P.T. I. Salary up to £795 per annum.

Subsistence allowances may be granted over a reasonable period to the persons appointed if unable to obtain suitable housing accommodation, necessitating the maintenance of two homes.

Further details and application forms returnable by 20th MAY, 1960 from the Town Clerk, Town Hall, East Ham, E.6.

MALDEN AND COOMBE BOROUGH.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.
SENIOR ASSISTANT BUILDING SURVEYOR.

Applications are invited from Chartered Surveyors (Building Section) for the appointment of SENIOR ASSISTANT BUILDING SURVEYOR, salary within the range A.P.T. IV, £1,065-£1,220, plus London "Weighting" and car allowance of £75 per annum. Commencing salary according to experience and qualifications.

Further particulars and application forms, which must be returned endorsed by not later than 20th JUNE, 1960, to be obtained from John Apse, A.M.I.C.E., Borough Engineer.

HAROLD E. BARRETT,
Town Clerk.

Municipal Offices,
New Malden,
Surrey.

SOLIHULL BOROUGH.

APPOINTMENT OF ASSISTANT ARCHITECT.

Applications are invited for a post as an ASSISTANT ARCHITECT in the Borough Surveyor's Department at a salary in accordance with A.P.T. Grade IV (£1,065-£1,220 per annum), commencing according to experience and qualifications.

Solihull has a population of approximately 90,000 and is still developing rapidly, there being a large programme of varied schemes in hand.

Housing accommodation will be provided as soon as possible and half removal expenses paid.

The appointment is subject to a satisfactory medical report, the provisions of the Local Government Superannuation Acts and the National Scheme of Conditions of Service, and to one month's notice on either side.

Applications, giving full particulars as to age and qualifications and present and past experience, together with the names and addresses of 2 referees should be submitted to the Borough Surveyor, 90 Station-road, Solihull, not later than 23rd MAY, 1960.

W. MAURICE MELL,
Town Clerk.

The Council House,
Solihull.
27th April, 1960.

HERTFORDSHIRE

EXPANSION OF COUNTY ARCHITECT'S OFFICE

Creation of NEW POSTS offers the opportunity to join in a challenging programme of design, construction, and continuous development.

ARCHITECTS

Assistant Group Architects (team leaders)..... £1,220-£1,375
Assistants, over three years' experience ..... £1,065-£1,220
Assistants, newly qualified ..... £785-£1,070

Able designers required. Keen to have full responsibility within group system.

ENGINEERS AND SURVEYORS

Appropriately qualified, to work in collaboration with architects.

Heating and Electrical Engineers (team leaders) £1,220-£1,375
Land Surveyors (assistants) ..... £785-£1,070

Apply by Monday, May 16, 1960, to Geoffrey Fardell, M.B.E., A.R.I.B.A., County Architect, County Hall (H 3), Hertford, Herts, stating experience, qualifications, training, and naming two referees. Previous local government experience not essential.

BIRMINGHAM REGIONAL HOSPITAL BOARD.

ASSISTANT REGIONAL ARCHITECT.

Salary scale £1,825-£2,175. Qualification: Registered Architect by examination.

This is a newly established appointment. The successful candidate will be required to take charge of design teams engaged on the design of major hospital projects. The post is not restricted to those with previous hospital experience but a high standard of design ability is essential.

The post is superannuable. Five-day week. Generous annual leave.

Applications to Secretary, Birmingham Regional Hospital Board, 10 Augustus-road, Edgbaston, Birmingham, 15, by 30th MAY, 1960 stating qualifications, age, experience, present position and salary and names of two referees.

MERIONETH COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of JUNIOR ARCHITECTURAL ASSISTANT, Grade A.P.T. I, £610-£765 per annum. Preference will be given to applicants who have passed the Intermediate examination of the R.I.B.A. or its equivalent.

Full particulars of the appointment, together with application form, may be obtained from the County Clerk, County Offices, Penarlag, Dolgellau, by whom applications must be received by not later than 16th MAY, 1960.

LEICESTER ADMINISTRATIVE COUNTY.

CLERK OF WORKS, £768-£880.

Candidates must have had considerable experience in the supervision of large-scale works and should preferably have sound knowledge of reinforced concrete. The person appointed will be required to act as resident clerk of works on projects in any part of the County and will be moved from one job to another as the occasion arises. Permanent superannuable post. Travelling expenses from headquarters will be paid. Lodging allowance and removal expenses may be paid to a married man. Apply by 20th MAY, 1960, on form obtainable from County Architect, 123 London-road, Leicester.

PETERBOROUGH JOINT EDUCATION BOARD.

PETERBOROUGH TECHNICAL COLLEGE.

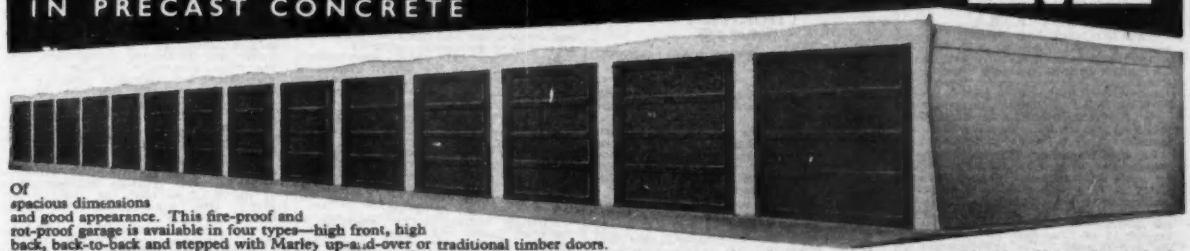
Required for September, 1960, ASSISTANT, Grade A, Building. Candidates should hold City and Guilds Final Certificate in Carpentry and Joinery. Preference will be given to candidates who also hold a Higher National Certificate in Building.

Salary in accordance with the Burnham Scales for Further Education with additions for qualifications and experience.

£520 x £27 10s. to £1,000.

Further particulars and forms of application obtainable from the Principal, Peterborough Technical College, Eastfield-road, Peterborough, to whom completed forms should be returned as soon as possible.

MARLEY MULTIPLE GARAGES
IN PRECAST CONCRETE



Of spacious dimensions and good appearance. This fire-proof and rot-proof garage is available in four types—high front, high back, back-to-back and stepped with Marley up-and-over or traditional timber doors.
Low initial cost. Virtually maintenance free. *Marley will supply and deliver only or supply and erect. Installed for hundreds of Local Authorities.* Site work can also be undertaken, if required. We shall be pleased to submit quotations on request. Marley make the best garages.
MARLEY CONCRETE LIMITED Dept. H3, Peasmarsh, Guildford, Surrey (Head Office) Guildford 69171. Shurdington, Nr. Cheltenham, Glos. Shurdington 334/5. Hatchpond Road, Waterloo, Poole, Dorset. Broadstone 626. London Showrooms: 251 Tottenham Court Road, W.1.

WELSH REGIONAL HOSPITAL BOARD

REGIONAL ARCHITECT'S DIVISION HOSPITAL BUILDING PROGRAMME

Posts are vacant for:—	*Salary*
(a) **Assistant Regional Architect**	£1,825—£2,175
(b) **Senior Assistant Architects**	£1,300—£1,600
(c) **Assistant Architects**	£905—£1,310
(d) **Architectural Assistants**	£625— £900
(e) **Draughtsmen**	£475— £685
(f) **Senior Assistant Quantity Surveyor**	£1,300—£1,600
(g) **Assistant Quantity Surveyor**	£905—£1,300
(h) **Building Surveyor**	£1,300—£1,600

The field of hospital planning and design in the Principality offers many opportunities for enthusiastic architects to develop their knowledge in practically every type of building work, including Ward Units, Operating Theatres, Maternity Centres, Out Patient Departments, Occupational Therapy Pavilions, Kitchens, Boiler Houses, Staff and Housing Accommodation, Recreational facilities, etc.

The expanding building programme includes large new hospitals and a variety of work including additions, alterations and maintenance works. The Welsh Hospital Region covers the whole of Wales, Anglesey and Monmouthshire involving some 200 hospitals. The Regional Architect's Department is responsible for the preparation of sketch plans, working and detail drawings, the supervision of works in progress and surveys, involving approximately 50% of the capital works building programme. The Boards total capital allocation for the current year is £1,649,554.

It is expected that an opportunity will be given to candidates to undergo a special post graduate training course at the Royal Institute of British Architects, followed by other studies later in the year.

Applicants for the post of Assistant Regional Architect, in addition to possessing the Final Examination of the Royal Institute of British Architects, should be particularly well experienced in the design of major building projects, the control of staff, and contract administration.

Registered architects holding the Final Examination of the Royal Institute of British Architects, well experienced in design and modern methods of construction, together with practical building experience are required for posts (a), (b), and (c). Applicants for post (d) should hold the Intermediate Examination of the Royal Institute of British Architects, while Draughtsmen (e) should have had experience in an Architect's Office.

Applicants for post (f) should hold the Final Examination of the Royal Institution of Chartered Surveyors and must have had extensive professional experience in the preparation of Bills of Quantities and Final Accounts, site measurement and valuations for interim certificates on Architectural and Engineering projects.

Assistant Quantity Surveyors (g) should hold the Final Examination of the Royal Institution of Chartered Surveyors and have a good experience in taking off, preparation of Bills of Quantities and estimates, and valuations of works in progress and the settlement of Final Accounts, whilst the Building Surveyor (h) to be appointed will be required to carry out surveys, levelling, dilapidation surveys and prepare estimates of cost, measure builder's work, prepare specifications, particularly in connection with alterations to existing buildings; and to survey properties.

All posts are superannuable; a five-day week applies.

Applications or further enquiries to the Secretary, Temple of Peace and Health, Cathays Park, Cardiff, within 10 days of the appearance of this advertisement, stating age, qualifications, experience, present position and salary and names of two referees.

BATTERSEA
METROPOLITAN BOROUGH.

Applications are invited for the following appointments to the permanent staff :—

(a) ASSISTANT BUILDING SURVEYOR. A.P.T. II. £765-£880 per annum.

(b) JUNIOR ASSISTANT BUILDING SURVEYOR. A.P.T. I. £610-£765 per annum.

London Weighting (£30 per annum at age 26 and over) is payable in addition for each appointment. The commencing salary in each case will be according to qualifications and experience. Applicants for appointment (a) should have passed the intermediate examination of the Royal Institution of Chartered Surveyors (Building Sub-division). The appointments are subject to the Local Government Superannuation Acts, 1937-53. Further particulars and forms of application obtainable from the Borough Engineer and Surveyor, Town Hall, S.W.11. Closing date 23rd MAY, 1960.

HORNSEY
BOROUGH.

TWO ARCHITECTURAL ASSISTANTS required:

Salary Grade A.P.T. IV/V (£1,065 to £1,375, plus London Weighting). Commencing salary according to age and experience.

The Council have a varied and interesting programme including a New Central Library, Public Mortuary and housing work in connection with a Redevelopment Area and there are prospects of employment for a considerable period.

Application forms from Borough Engineer and Surveyor, Town Hall, Crouch End Broadway, N.8, to be returned by noon on FRIDAY, the 20th MAY, 1960.

W. B. MURGATROYD,
Town Clerk.

Town Hall,
Hornsey,
N.8.

LINCOLN CITY

ASSISTANT ARCHITECT.

Applications are invited from experienced ARCHITECTS for the above position on the established staff of the City Architect at a salary in accordance with A.P.T. Grade IV, £1,065-£1,220.

The Department is engaged upon an extensive and varied programme of architectural works and applicants must be capable of taking charge of a group responsible for the design and supervision of major projects.

The post is superannuable and a medical examination will be required.

Housing accommodation available.

Applications, giving full particulars of qualifications and experience together with the names of two persons to whom reference may be made, should be submitted to R. R. Alexander, F.R.I.B.A., M.T.P.I., City Architect, Stamp End, Lincoln, not later than 23rd MAY, 1960.

J. HARPER SMITH,
Town Clerk.

Town Clerk's Office,
Lincoln.

PETERBOROUGH CITY

ASSISTANT QUANTITY SURVEYOR.

Applications are invited for the appointment of ASSISTANT QUANTITY SURVEYOR, A.P.T. I (£610 x £30—£765). Application forms from City Engineer, Town Hall, Peterborough. Housing accommodation will be provided if required. Closing date 13th MAY, 1960.

C. PETER CLARKE,
Town Clerk.

Town Hall,
Peterborough.
April, 1960.

SURREY
COUNTY COUNCIL.

Applications invited for appointment of ASSISTANT ARCHITECTS, QUANTITY SURVEYORS, HEATING ENGINEERS, ELECTRICAL ENGINEERS and STRUCTURAL ENGINEERS in the salary range of £785-£1,220 p.a. plus £30 p.a. London Allowance.

Commencing salary will be in accordance with qualifications and experience.

Full details, present salary and three copy testimonials to County Architect, County Hall, Kingston, as soon as possible.

LUTON
BOROUGH.

Applications invited for :—

(a) SENIOR ASSISTANT ARCHITECTS. A.P.T. IV (£1,065-£1,220).

(b) ARCHITECTURAL ASSISTANT. A.P.T. I/Special (£610-£1,070).

Extra duty allowances, particulars of which will be supplied with application forms, payable on the following scale :—

A.P.T. IV, £150 per annum;

A.P.T. III and Special Grade, £125 per annum;

A.P.T. II, £100 per annum.

Applicants for posts (a) must be A.R.I.B.A. and should have had considerable practical experience.

The grade and commencing salary for (b) will be within the range stated according to experience and qualifications.

Large constructional and development programme offers a variety of work and experience.

Consideration will be given to the provision of housing accommodation and payment of removal expenses in approved cases.

Application forms from Borough Architect, Town Hall, Luton, returnable by 14th MAY, 1960.

SOUTHAMPTON
COUNTY BOROUGH.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the following appointments:

(i) ASSISTANT QUANTITY SURVEYOR. Applicants must be chartered quantity surveyors, preferably with experience in municipal housing including multi-storey flats and shopping centres.

(ii) ASSISTANT ARCHITECT. Applicants must have passed Parts I and II of the R.I.B.A. final examination and have had experience in housing design and construction and estate layout, preferably with a municipal authority.

Salaries for the above appointments within the grading for Special Classes of Officers (£785-£1,070) according to experience and qualifications—(a commencing salary of £950 is envisaged).

(iii) ARCHITECTURAL ASSISTANT. A.P.T. Grade II. £765-£880. Applicants are required to have passed the intermediate R.I.B.A. examination or its equivalent at one of the recognised schools of architecture, and preferably have had experience in local government housing.

The appointments are subject to N.J.C. conditions of service.

Housing accommodation available in approved cases and approved removal expenses reimbursable up to a maximum of £50.

Apply on application forms obtainable from the Borough Engineer and Surveyor, Civic Centre, Southampton, returnable by MONDAY, 16th MAY, 1960.

CARDIFF CITY

CITY ARCHITECT'S DEPARTMENT.
SENIOR ASSISTANT QUANTITY SURVEYOR.

Applications are invited for the appointment of SENIOR ASSISTANT QUANTITY SURVEYOR, A.P.T. Grade IV, £1,065-£1,220 per annum.

Applicants should be fully experienced and qualified Quantity Surveyors.

General Conditions of Appointment may be obtained from the undersigned.

Applications, accompanied by the names and addresses of two referees, appropriately endorsed, should be delivered to me not later than the 16th MAY, 1960.

S. TAPPER-JONES,
Town Clerk.

City Hall,
Cardiff.
April, 1960.

ENFIELD
BOROUGH.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the post of ARCHITECTURAL ASSISTANT, Grade A.P.T. I (£610-£765 per annum, plus a London Weighting Allowance of £10-£30 per annum according to age).

Applicants must have had experience in the preparation of plans, specifications, etc., including the maintenance of public buildings.

Saturday mornings are normally free of duty.

Application forms obtainable from H. D. Peake, M.Sc.(Eng.), M.I.C.E., Borough Engineer and Surveyor, 7 Little Park Gardens, Enfield, Middlesex, returnable to the undersigned.

CYRIL E. C. R. PLATTEN,
Town Clerk.

Public Offices,
Enfield,
Middlesex.

STRUCTURAL
ENGINEERS.

ENGINEERS Required in Architect's Department, L.C.C., up to £1,135 (under review).

(a) STRUCTURAL ENGINEERING DIVISION.—Extensive programme includes multi-storey flats, schools, offices, warehouses and other buildings.

(b) STRUCTURAL ENGINEERING DIVISION.—To deal with applications in respect of special structures under Part IV of London Building Act (A) Act, 1939, and constructional by-laws. Interesting work in involving consideration of unconventional forms of construction.

(c) DISTRICT SURVEYOR'S SERVICE.—Work mainly outside involving negotiations with Architects, Engineers and Surveyors and supervision of works in progress.

Good prospects in all these aspects of the Council's work. Application form and particulars from Hubert Bennett, F.R.I.B.A., Architect to Council (EK/B/495/5), County Hall, S.E.1.

BIRMINGHAM
REGIONAL HOSPITAL BOARD.

The Board envisage an expansion of their hospital building programme. A large proportion of the work will be designed and supervised by the staff of the Regional Architect's Department. Applications are invited for the following posts :

(a) PRINCIPAL ASSISTANT ARCHITECTS.
Salary scale, £1,665 to £2,035.
Qualification: Registered Architect by examination.

(b) ASSISTANT ARCHITECTS.
Salary scale, £905 to £1,310.
Qualification: Registered Architect by examination.

(c) ARCHITECTURAL ASSISTANTS.
Salary scale, £625 to £900.
Qualification: Intermediate R.I.B.A.

(d) SENIOR ASSISTANT QUANTITY SURVEYOR.
Salary scale, £1,300 to £1,600.
Qualification: Corporate Membership R.I.C.S.

(e) ASSISTANT QUANTITY SURVEYOR.
Salary scale, £905 to £1,310.
Qualification: Corporate Membership R.I.C.S.

(f) QUANTITY SURVEYING ASSISTANTS.
Salary scale, £625 to £900.
Qualification: Inter R.I.C.S.

These posts are not necessarily restricted to those with previous hospital experience. They offer opportunities for gaining knowledge and experience of the whole field of hospital architecture, ranging from adaptation schemes to comprehensive new hospital projects, and including ward units, operating theatres, out-patients' departments, maternity units, X-ray departments, kitchens, boiler houses, staff housing accommodation and numerous other types of building.

It is anticipated that some candidates will be given the opportunity of attending a special post graduate training course at the R.I.B.A. from the 11th to 16th JULY, 1960, followed by other studies later in the year.

All posts superannuable. Five-day week. Generous annual leave.

Applications to Secretary, Birmingham Regional Hospital Board, 10 Augustus-road, Birmingham 15, by 16th MAY, 1960, stating qualifications, age, experience, present position and salary and names of two referees.

GLANFORD BRIGG
RURAL DISTRICT COUNCIL.

Applications are invited for the post of BUILDING INSPECTOR in the Surveyor's Department at a salary within the Grade A.P.T. I (£650-£765) with an essential user car allowance.

Applicants should have a sound knowledge of building construction and practice and should be capable of examining and reporting on deposited plans. Possession of the Building Inspector's Certificate awarded by the Institute of Municipal Engineers or other recognised qualification will be an advantage.

Applications endorsed "Building Inspector" with details of age, present appointment, qualifications and previous experience, together with copies of two recent testimonials, must reach the undersigned not later than the 21st MAY, 1960.

M. W. BAILEY,
Clerk of the Council.

Rural Council Offices,
Bigby-street,
Brigg,
Lincs.
2nd May, 1960.

WORTHING
BOROUGH.

APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of ARCHITECTURAL ASSISTANT on the permanent establishment of the Borough Engineer and Surveyor's Department at a salary in accordance with Grade A.P.T. I (£610-£765 p.a.).

Candidates should have passed the Intermediate Examination of the R.I.B.A. and should have had a sound experience in the preparation of drawings and specifications for local authority building contracts.

The appointment will be subject to the National Scheme of Conditions of Service of Local Government Officers, to the Local Government Superannuation Scheme, and to the successful candidate passing satisfactorily a medical examination.

Applications, endorsed Architectural Assistant, stating age, status, qualifications, present and previous appointments, and experience with dates, together with the names of three persons to whom reference may be made, should be addressed to the Borough Engineer and Surveyor, Town Hall, Worthing, and should be received by him not later than WEDNESDAY, 11th MAY.

ERNEST G. TOWNSEND,
Town Clerk.

ROCHESTER CITY.

ARCHITECTURAL ASSISTANT
(Grade A.P.T. II (£765-£880)).

Applications are invited for the appointment of ARCHITECTURAL ASSISTANT in the City Surveyor's Department at a salary in accordance with Grade A.P.T. II (£765-£880).

Candidates should have general experience, including the preparation of drawings and specifications for Municipal Housing Schemes, and should have passed the Intermediate Examination of the Royal Institute of British Architects or hold a qualification of equivalent standard. The commencing salary will be according to qualifications and experience.

In an appropriate case the City Council will provide the successful candidate with suitable housing accommodation and will be prepared to refund removal expenses after twelve months' service.

The appointment will be subject to the National Scheme of Conditions of Service, the Local Government Superannuation Acts, and a satisfactory medical examination. One month's notice is required on either side.

Applications, stating age, training, qualifications, present and previous appointments and experience, together with the names and addresses of two persons to whom reference may be made, should be delivered to J. A. Peel, A.M.I.C.E., A.M.I.Mun.E., City Surveyor, 66 Maidstone-road, Rochester, not later than WEDNESDAY, 18th MAY, 1960.

PHILIP H. BARTLETT,
Town Clerk.

Guildhall,
Rochester
14th April, 1960.

CORBY
DEVELOPMENT CORPORATION.

SENIOR ASSISTANT ARCHITECT.

There is a vacancy on the staff of the Chief Architect for a SENIOR ASSISTANT.

The appointment will be made within A.P.T. Grade V (£1,220-£1,375) and the commencing salary within this Grade will depend upon qualifications and experience.

Candidates must be A.R.I.B.A., or possess an equivalent qualification recognised by the Architects Registration Council.

The appointment is within the Local Government Superannuation Scheme.

Housing is available and removal expenses will be paid.

Applications stating age, education, training, qualifications, experience, appointments held and salaries, together with the names of two referees must reach the undersigned by MONDAY, 16th MAY, 1960.

R. F. BROOKS GRUNDY,
General Manager.

Corby Development Corporation,
Spencer House,
Corby,
Northants.

WILTSHIRE
COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

Applications invited for ASSISTANT ARCHITECTS, Grade IV (£1,065-£1,220). Final examination of R.I.B.A. (or equivalent) essential; commencing salary according to qualifications and experience.

Applications to Clerk of the Council, County Hall, Trowbridge, by 20th MAY, 1960, stating age, education, qualifications, training, experience, and three referees.

HAMPSTEAD
METROPOLITAN BOROUGH

Require permanent MAINTENANCE OFFICER in Housing Architect's Department. Salary A.P.T. I/II (£610-£880 plus London Weighting). Candidates must have sound knowledge of building construction, experience in preparation of specifications for maintenance works and have passed an examination of an appropriate Institute. No housing provided. Applications, giving experience, previous appointments and names of two referees, to Town Clerk, Town Hall, Haverstock-hill, N.W.3, by 20th MAY, 1960.

WEDNESFIELD
URBAN DISTRICT COUNCIL.

ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the position of CHIEF ASSISTANT ARCHITECT at a salary in accordance with A.P.T. Grade IV (£1,065 to £1,220).

Candidates must be qualified and have had considerable experience in the appointment for which they make application.

The district is developing rapidly and offers exceptional experience.

The National Joint Council Conditions of Service will apply and the successful candidate will be required to contribute to a Superannuation Scheme and also undergo a medical examination.

Housing accommodation will be provided, if necessary, and reasonable removal expenses will be paid.

Applications stating age, qualifications, experience, with the names of two referees must be received by the undersigned by not later than 13th MAY, 1960.

J. HENWOOD JONES,
Clerk of the Council.

Council Offices,
Alfred Squire-road,
Wednesfield,
Staffs.

BISHOP'S STORTFORD
URBAN DISTRICT COUNCIL.

ERECTION OF 36 DWELLINGS.
APPOINTMENT OF CLERK OF WORKS.

Applications are invited from persons of suitable experience for the above appointment. The work will be executed by Contract under the supervision of the Council's Surveyor and the Contract period is expected to be 15 months.

Applicants should state in their applications the salary required, and give details of previous experience of Contracts of this nature.

Applications, giving the names of two persons to which reference may be made should be submitted to the undersigned on or before MONDAY, 23rd MAY, 1960.

G. NORMAN DRINKWATER,
Clerk of the Council.

Council House,
Causeway,
Bishop's Stortford.
27th April, 1960.

AIR MINISTRY

Require JUNIOR AND SENIOR WORKERS-UP in Quantities Division in London. Must be fully experienced and competent to work entire Bills of Quantities. Candidates must hold O.N.C. or C. & G. (Quantities) or equivalent technical qualification. Financial assistance and time off given for recognised courses of study. Promotion and pension prospects. 5-day week with 18 days' paid leave a year initially. Salary ranges (Junior) from £720 (at age 26) to £900, and (Senior) £794 (at age 26) to £1,065. Applicants who must be natural born British subjects, should write stating age, qualifications and experience to the Manager (P.E. 1234), Ministry of Labour, Professional and Executive Register, Atlantic House, Farringdon-street, London, E.C.4. No original testimonials should be sent.

STEVENAGE
DEVELOPMENT CORPORATION.

CHIEF ARCHITECT'S DEPARTMENT.

A vacancy exists for a QUANTITY SURVEYOR in the Chief Architect's Department on New Towns Salary Grade A.P.T. III (£880-£1,065), starting salary according to qualifications and experience.

The work is of a varied type, i.e. central development industrial buildings, blocks of flats, housing, etc. Duties comprise primarily "Working up," but opportunities will arise for some "Taking off."

Applicants to be suitably qualified. Housing accommodation available if necessary.

Applications, giving details of qualifications and experience, and names of two references, to be sent to the Chief Administrative Officer, Aston House, nr. Stevenage, Herts, by TUESDAY, 17th MAY, 1960.

HOSPITAL BUILDING PROGRAMME

SHEFFIELD REGIONAL HOSPITAL BOARD

ARCHITECTS
ENGINEERS
QUANTITY SURVEYORS

The Board require additional professional and technical staff to deal with a substantial expansion of the hospital building programme. This offers exceptional opportunities to those interested in contemporary design in a variety of buildings ranging from staff housing to the design of complete new hospitals. Promotion prospects are bright and to those with creative ability and enthusiasm a worthwhile career in a highly rewarding field is assured.

The Board's headquarters are three miles from the city centre on the edge of the Derbyshire moors. Working conditions in modern drawing offices are excellent. Canteen and social facilities are available. Posts are superannuable and mileage allowances will be paid to approved car users.

Vacancies exist for :

Post	Salary Scale
Assistant Regional Architect Principal Assistant Architect	Salary to be determined £1,665/£2,035 per annum.
Senior Assistant Architects Senior Assistant Quantity Surveyors	£1,300/£1,500 per annum.
Assistant Architects Assistant Quantity Surveyor	£905/£1,310 per annum.

Architects should be members of the R.I.B.A. and Quantity Surveyors members of the R.I.C.S. Commencing salaries for new entrants at minimum of the scale.

Vacancies also exist for heating and ventilating engineers. Starting salary of £1,160 for A.M.I.Mech.E., and £910 for A.M.I.H.V.E. Starting salaries for engineering draughtsmen vary from £550 to £1,030 according to qualifications and experience.

Professional staff interested in an appointment in the hospital service should apply within ten days to the Secretary, Sheffield Regional Hospital Board, Fulwood House, Sheffield 10. Applications should state qualifications, age, experience and post(s) in which interested, and should include the names of two persons to whom reference may be made.

HARROW
BOROUGH.

Applications are invited for the following appointments in the Department of the Borough Engineer and Surveyor:

BUILDING SURVEYORS, A.P.T. Grade III (£880 to £1,065 per annum) plus London "Weighting," for works of maintenance and improvements to Municipal properties, chiefly Schools.

Applicants must possess a sound knowledge of building construction and services, and have extensive experience of specification writing.

Commencing salaries will be in accordance with qualifications and experience.

Contributions towards removal expenses will be considered, the Council is unable to provide housing accommodation.

The appointments will be subject to the Local Government Superannuation Acts; and to the National Joint Council's scheme of Conditions of Service.

Application forms, obtainable from me, should be returned not later than MONDAY, 23rd MAY, 1960.

D. H. PRITCHARD,
Town Clerk.

Town Clerk's Office,
Harrow Weald Lodge,
Harrow,
Middx.

WALLASEY
COUNTY BOROUGH.

APPOINTMENT OF CLERK OF WORKS.

Applications for this appointment are invited from persons experienced in reinforced concrete construction, giving age and full particulars of education and experience, should be sent to the Borough Architect, Town Hall, Wallasey, by 13th MAY, 1960. The wage of the appointment will be up to £16 per week according to qualifications and capabilities.

A. G. HARRISON,
Town Clerk.

LEEDS
UNIVERSITY.

Applications are invited for the post of ASSISTANT SURVEYOR of the Fabric. Candidates should be good draughtsmen, possess a wide general knowledge of building construction and have had practical experience of supervision. Preference will be given to Registered Architects or Surveyors. Salary on a scale to be determined by the age, qualifications and experience of the person appointed and rising to a maximum of not less than £1,065. The University has a contributory pension scheme and a scheme for the payment of child allowances in appropriate cases. Application forms and further particulars are obtainable from the Bursar, The University, Leeds, 2, to whom the completed forms should be submitted not later than 16th MAY, 1960. Envelopes must be endorsed "Assistant Surveyor."

THE NORTH EASTERN
ELECTRICITY BOARD.

Applications are invited for the appointment of FOURTH ASSISTANT ENGINEER (Assistant Clerk of Works—Buildings) in the Tees Sub-Area Engineer's Department with location at Sub-Area Headquarters, Thornaby on Tees. Duties will include the supervision of construction and maintenance of the Board's property within the Tees Sub-Area, comprising substations, workshops, depots, Service Centres and offices.

Applicants should be familiar with Bills of Quantities and able to set out, measure up and deal with interim and final accounts.

Salary N.J.B. Class "L" Grade 13, £860-£950 per annum. N.J.B. Conditions of Service.

Applications stating age, qualifications and experience should be forwarded to the Assistant Secretary (Establishments), The North Eastern Electricity Board, Box No. 117, Carliol House, Newcastle upon Tyne, within ten days of the appearance of this advertisement.

Contemporary Hospital Design

ARCHITECTS, QUANTITY SURVEYORS and ENGINEERS

of progressive outlook, interested in a new approach to hospital planning, are invited to apply for the following posts in the Architect's Department of the Oxford Regional Hospital Board (Regional Architect, W. J. Jobson, from whom further particulars may be obtained).

Senior Assistant Architect—
£1,300 to £1,600 per annum

Assistant Architect—
£905 to £1,310 per annum

Principal Assistant Quantity Surveyor,
Scale II, £1,665 to £2,035 per annum

Principal Assistant Engineer (Mechanical),
Scale II, £1,665 to £2,035 per annum

Applications, with the names of two referees, should be received by the Secretary

Oxford Regional Hospital Board,
43 Banbury Road, Oxford,
not later than 22nd May, 1960.

HUDDERSFIELD
COUNTY BOROUGH.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the position of CLERK OF WORKS at a salary in accordance with A.P. and T.I. Grade (£610-£765 per annum).

Candidates should have experience in the supervision of road construction schemes. The salary mentioned above is for a 38-hour week and overtime will be paid for additional hours worked in accordance with the conditions of service.

The appointment is superannuable and the successful applicant will be required to pass a medical examination.

Applications stating age, experience, etc., and giving the names of not more than three persons to whom reference can be made should reach A. L. Percy, Esq., M.I.C.E., Borough Engineer and Surveyor, High-street Buildings, Huddersfield, not later than 20th MAY, 1960.

Canvassing is prohibited and will be considered a disqualification.

HARRY BANN,
Town Clerk.

Town Hall,
Huddersfield.
May, 1960.

EDMONTON
BOROUGH.

BOROUGH ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments in connection with the Council's Capital Building Programme, including multi-storey housing and public buildings, maintenance and improvement works. Applicants should be appropriately qualified.

ARCHITECTURAL ASSISTANTS. Salary within special grade, £785-£1,070, plus London Weighting.

ARCHITECTURAL ASSISTANTS, salary within Grade A.P.T. II, £765-£880 plus London Weighting.

QUANTITY SURVEYING ASSISTANTS. Salary within Grade A.P.T. II, £765-£880 plus London Weighting.

TOWN PLANNING ASSISTANT. Salary within Grade A.P.T. I, £610-£765, plus London Weighting.

Applications on forms obtainable from the Town Clerk, Town Hall, Edmonton, N.9, must be delivered by the 16th MAY, 1960.

SOUTH SHIELDS
COUNTY BOROUGH.

QUANTITY SURVEYING ASSISTANTS.

Applications are invited for QUANTITY SURVEYING ASSISTANTS in the Borough Engineer's Department. Salary will be in accordance with Grades A.P.T./I/SS (£610-£1,070). Placing within these grades will be in accordance with experience.

Housing accommodation may be made available to successful applicants if necessary.

The successful applicants will be required to pass a medical examination for superannuation purposes.

Application forms can be obtained from the Borough Engineer's Department, Town Hall, South Shields, and should be returned by 10 a.m. on THURSDAY, 9th JUNE, 1960.

R. S. YOUNG,
Town Clerk.

SOUTH-EAST
METROPOLITAN REGIONAL HOSPITAL BOARD

invites applications for the following superannuable posts:—

PRINCIPAL ASSISTANT ARCHITECTS. Salary £1,765-£2,135 or £1,665-£2,035.

SENIOR ASSISTANT ARCHITECTS; SENIOR ASSISTANT ARCHITECT/SURVEYORS. Salary £1,300-£1,600 p.a.

ASSISTANT ARCHITECTS. Salary £900-£1,310 p.a.

ARCHITECTURAL ASSISTANTS. Salary £625-£900 p.a.

London Weighting allowance is paid in addition. Full details may be obtained from the Regional Architect. Applications, stating qualifications and experience, with names of three referees, should reach the Secretary, 40 Eastbourne-terrace, W.2, by 13th MAY.

DUNDEE
TECHNICAL COLLEGE.

BUILDING DEPARTMENT.

The Governors of Dundee Institute of Art and Technology invite applications for the position of LECTURER IN BUILDING SUBJECTS to commence duties on 1st SEPTEMBER, 1960.

Salary Scales: Grade II(a), £900 x £40—£1,020 x £45—£1,200 x £50—£1,450* x £50—£1,550.

*Only Hons. Graduates, or holders of equivalent qualifications, proceed beyond this point.

Or Grade II (b), £800 x £40—£1,000 x £45—£1,135* x £45—£1,270.

*Only Graduates or holders of equivalent qualifications proceed beyond this point.

Placing on either scale will be according to qualification: Position on the scale will be according to industrial and/or teaching experience.

Duties will include lecturing in Ordinary and Higher National Certificate Courses and for the examination of professional bodies, including The Royal Institution of Chartered Surveyors; The Institute of Quantity Surveyors; The Royal Sanitary Association of Scotland and the Institute of Builders.

Favourable consideration will be given to holders of B.Sc. (Technical), A.R.C.S.T.; A.I.O.B.; or A.R.I.C.S.

Further particulars and form of application (to be returned not later than SATURDAY, 21st MAY, 1960) may be obtained from the Clerk and Treasurer, 40 Bell-street, Dundee

EASTERN
REGIONAL HOSPITAL BOARD (SCOTLAND).

Applications are invited for the following posts:—

(a) DEPUTY REGIONAL ARCHITECT, £1,450 to £1,770.

(b) SENIOR ASSISTANT ARCHITECT, £1,300 to £1,600.

(c) ASSISTANT ARCHITECT, £905 to £1,310.

Applicants must be Registered Architects by examination preferably having experience of the design and construction of modern public buildings. Applications, stating age, training, qualifications, past and present appointments, experience and the names and addresses of three referees, should be sent to the Secretary, Eastern Regional Hospital Board, Vernonholme, Riverside Drive, Dundee, not later than 20th MAY, 1960.

WESTMINSTER CITY

SURVEYING ASSISTANT (permanent). Salary within scale £640-£795. Duties concern acquisition, use and improvement of property, including preparation of schedules of condition, estimates, dilapidations, etc. Five-day week. Staff restaurant. Superannuation 2 per cent.

Applications giving age, qualifications, experience, names etc., of two referees, to Town Clerk, Westminster City Hall, Charing Cross-road, W.C.2, by 18th MAY.

SOUTHAMPTON
COUNTY BOROUGH.

BOROUGH ARCHITECT'S DEPARTMENT.

Applications are invited for the following permanent posts:

(a) SENIOR ASSISTANT ARCHITECT, Grade A.P.T. IV (£1,065-£1,220).

(b) SENIOR ASSISTANT ARCHITECT, Special Grade (£785-£1,070).

(c) SENIOR QUANTITY SURVEYOR, Special Grade (£785-£1,070).

(d) ESTIMATING ASSISTANT in the Quantity Surveyor's Section, Grade A.P.T. II (£765-£880).

Applicants should be experienced in estimating for small jobbing works and knowledge of "working-up" and/or site measuring will be advantageous.

HOUSING ACCOMMODATION available in approved cases and approved removal expenses reimbursed up to a maximum of £50.

Applicants should possess appropriate qualifications. Commencing salary within grade according to experience and qualifications.

Application forms from the Borough Architect, Civic Centre, Southampton, returnable by 30th MAY, 1960.

HIGH WYCOMBE
BOROUGH.

ASSISTANT HOUSING REPAIRS SUPERVISOR.

Applications are invited for the above appointment (salary scale Misc. VI—£715 x £20—£775 per annum).

Applicants, preferably aged 30-45, must have had good practical experience in all branches of the building trade and be capable of supervising contract work, particularly in the plumbing and bricklaying trades. Ability to estimate the cost of, and write specifications for, minor works will be an advantage.

Applications, stating age, qualifications and experience, together with the names of two persons to whom reference can be made, should be sent to the undersigned not later than NOON on MONDAY, 16th MAY, 1960.

Assistance will be given in the provision of housing accommodation, if required.

J. A. PARKINSON,
M.A., A.M.I.C.E.,
Borough Engineer and Surveyor.

WREXHAM
BOROUGH.

ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the following appointments:—

(a) TWO ARCHITECTURAL ASSISTANTS, salary Specialist Grade (£785-£1,070 per annum). Candidates must be A.R.I.B.A. or equivalent.

(b) ONE ARCHITECTURAL ASSISTANT, salary range A.P.T. Grade II (£765-£880 per annum).

Candidates must have Intermediate R.I.B.A. or equivalent.

Housing accommodation provided if required, and the Council will be prepared to consider essential user or casual user car allowance, also removal expenses.

Forms of application and particulars obtainable from the Borough Engineer, 31 Chester-street, Wrexham.

Applications to be returned to the undersigned by not later than MONDAY, 23rd MAY, 1960.

PHILIP J. WALTERS,
Town Clerk.

Guildhall,
Wrexham.
April, 1960.

BURY ST. EDMUNDS
BOROUGH.

Appointment of ASSISTANT ARCHITECT, Special Grade.

Applications are invited from Qualified Architects for the above superannuable post in the Department of the Borough Engineer and Surveyor at a salary within the special grade (£785-£1,070).

Duties will include the design of new houses and other buildings; and the maintenance and upkeep of other Corporate property. Consideration will be given to the provision of housing.

Applications endorsed "Assistant Architect" and stating age, whether married, qualifications and experience, together with the names of three referees, to be delivered to the Borough Engineer and Surveyor, Mr. G. S. Standley, A.M.I.C.E., M.I.Mun.E., at the address below not later than 25th MAY, 1960.

RICHARD R. HILES,
Town Clerk.

Borough Offices,
Bury St. Edmunds.

DEWSBURY
COUNTY BOROUGH.

BOROUGH ARCHITECT AND BUILDING SURVEYOR'S DEPARTMENT.

Applications are invited for the following appointments:—

(a) ASSISTANT ARCHITECT (Education Section), A.P.T. Grade IV.

(b) TOWN PLANNING ASSISTANT, A.P.T., Grade IV.

The commencing salaries will be fixed within the scope of the grades stated according to qualifications and experience, i.e. A.P.T. Grade IV, £1,065-£1,220 p.a. Applicants for (a) should be A.R.I.B.A. and for (b) A.M.T.P.I.

Housing accommodation may be made available if required.

The appointments will be subject to one month's notice on either side and to the provisions of the Local Government Superannuation Acts.

Applications stating age, education, qualifications, full particulars of training and experience, together with copies of two recent testimonials, should be sent to the undersigned not later than TUESDAY, 17th MAY, 1960, in envelopes endorsed "Appointment of —."

A. NORMAN JAMES,
Town Clerk.

Town Hall,
Dewsbury.
25th April, 1960.

NEWCASTLE
REGIONAL HOSPITAL BOARD.

P. H. KNIGHTON, M.B.E., A.R.I.B.A.
EXPANSION OF REGIONAL ARCHITECT'S DEPARTMENT.

Arising from the number of major projects (totalling about £12m.) to be carried out in the Newcastle Region as part of the Hospital Expansion Programme, the Board intends to add considerably to its Architectural Department in Newcastle.

The salary scales offered represent a considerable improvement on those hitherto applicable and are the result of a new National agreement recently reached.

The work is of a high class and varied nature and offers ample opportunity for gaining experience in both highly specialised hospital structures and many types of ancillary general and domestic buildings. The work will involve all stages from sketch plans to supervision of construction and a car mileage allowance will be paid.

Possession of previous hospital experience is not essential since arrangements are being made on a national basis for a course of instruction in this field and for seeing recently completed hospital buildings.

Applications are invited for the following superannuable posts and candidates for posts 1, 2 and 3 must be Registered Architects.

1. PRINCIPAL ASSISTANT ARCHITECTS (£1,665 x £50(1) x £75(2) x £85(2) —£2,035). To act as main Group Leaders.

2. SENIOR ASSISTANT ARCHITECTS (£1,300 x £60(5)—£1,600). To act as Team Leaders.

3. ASSISTANT ARCHITECTS (£905 x £35(1) x £45(6) x £50(2)—£1,310). Will be individually responsible for parts of major projects or for certain smaller schemes.

4. ARCHITECTURAL ASSISTANTS (£625 x £30(8) x £35(1)—£900). Inter R.I.B.A., and some practical experience.

5. ARTICLED PUPILS (£230 (at age 15) x £20(1) x £25(8) x £30(1)—£480). In view of the opportunity which exists for general experience and for study at King's College, Newcastle, the Board is prepared to accept Pupils into its Architectural Department. Candidates must have at least the General Certificate of Education in five subjects at Ordinary level.

Applications are also invited for:—

6. CHIEF QUANTITY SURVEYOR (£1,765 x £50(1) x £75(2) x £85(2)—£2,135).

Applicants must hold corporate membership of the Royal Institute of Chartered Surveyors. The Board at present has no quantity surveying staff and the successful candidate will be required to act as Staff Quantity Surveyor in association with a number of private firms of quantity surveyors commissioned by the Board for specific projects.

7. CLERKS OF WORKS (salary within the scale £800 x £40(5) x £50(1)—£1,050).

Each of the successful candidates will be required to supervise the construction of a major hospital project in one of the following locations—Newcastle, Ashington and Carlisle, and to have had previous experience as a Clerk of Works on major public buildings. The posts will be for the duration of the projects—approximately two years in each case.

Applications, stating age, qualifications, past and present appointments, present salary and details of experience and training, together with the names of three referees (of whom at least two should be architects) should be forwarded to the Secretary to the Board, Benfield-road, Newcastle upon Tyne, 6, not later than 12th MAY, 1960.

CHESHIRE

COUNTY ARCHITECT'S DEPARTMENT.
APPOINTMENT OF CHIEF ASSISTANT.
SITES AND SURVEYS.

Applications are invited, on forms obtainable from me, for the above appointment in Grade J.N.C. "B." £1,320 x £55-£1,485.

Applicants must have had considerable experience (preferably with a Local Authority) in selecting, reporting on and surveying sites for various projects, negotiating with owners, obtaining Planning Approvals, Compulsory Purchase Orders, Public Inquiries, etc. They should hold appropriate qualifications such as Membership of the R.I.C.S. (Valuation Sub-Division).

Completed forms should reach me by the 18th MAY, 1960.

EDGAR TABERNER, A.R.I.B.A.,
County Architect.

County Hall,
Chester.
25th April, 1960.

CHESTER CITY.

DEPARTMENT OF CITY ENGINEER.

Applications are invited for the appointment of ARCHITECTURAL DRAUGHTSMAN, salary Miscellaneous Grade V, £650-£715 per annum. Candidates should be able draughtsmen with experience of building construction.

Applications enclosing copies of two recent testimonials should reach the City Engineer, 49 Northgate-street, Chester, by FRIDAY, 13th MAY, 1960.

MANCHESTER
CORPORATION TRANSPORT DEPARTMENT.

REQUIRE
A BONUS SURVEYOR to assist in the timing and measurement of work of a Building Maintenance nature together with reconstruction work.

Salary £775 to £825 per annum.

Application forms and details of duties and responsibilities are obtainable from the General Manager, 55 Piccadilly, Manchester, 1, returnable by 16th MAY, 1960.

GLASGOW
CORPORATION.

ARCHITECTURAL AND PLANNING DEPARTMENT.
ASSISTANT ARCHITECTS.
ASSISTANT QUANTITY SURVEYORS.

Vacancies exist for a number of qualified ASSISTANTS as above. Salary scale £795-£1,240 with placing according to experience.

Applications should be addressed to the City Architect and Planning Officer, 20 Trongate, Glasgow, C.1. Those who have submitted applications during the past 12 months should not reply to this advertisement.

A. G. JURY,
City Architect and Planning Officer.

HOVE
BOROUGH.

Applications are invited for the following posts in the Borough Engineer and Surveyor's Office:

(a) SENIOR ARCHITECTURAL ASSISTANT.
(b) SENIOR TOWN PLANNING ASSISTANT.
(c) DRAUGHTSMAN AND TRACER.

Posts (a) and (b) are graded A.P.T. IV (£1,065-£1,220) and post (c) A.P.T. I (£610-£765).

Qualifications required: Post (a) final examination of the R.I.B.A. or equivalent and wide experience in the design and erection of all types of municipal buildings; post (b) final examination of the Town Planning Institute or equivalent with at least five years' practical experience. Candidates for post (c) should be neat draughtsmen preferably with previous experience in a municipal engineer's office.

Posts subject to Local Government Superannuation Acts, medical examination and one month's notice on either side.

Applications, stating age, qualifications and previous experience, together with the names of two referees, must be received by the undersigned not later than MONDAY, 30th MAY, 1960.

Relationship to any member or officer of the Council must be disclosed and canvassing, either directly or indirectly, will be a disqualification.

JOHN E. STEVENS,
Town Clerk.

Town Hall,
Hove, 3.
29th April, 1960.

BUILDING SURVEYORS

Architect's Department, L.C.C., has vacancies in Building Regulation Division and District Surveyor's Service for work in connection with applications under London Building Acts and by-laws. District Surveyor's offices are located in Metropolitan Boroughs and work involves negotiations with developers and supervision of works in progress.

Up to £1,135 (under review) commencing according to qualifications and experience. Application form and particulars from Hubert Bennett, F.R.I.B.A., Architect to Council (EK/B/494/5), County Hall, S.E.1.

LEIGH
BOROUGH.

APPOINTMENT OF DEPUTY HOUSING DIRECTOR.

Applications are invited from persons possessing the necessary qualifications and experience for the above appointment at a salary in accordance with Grade IV of the National Salary Scales (£1,065 per annum rising to £1,220 per annum).

Applicants must be competent to undertake all aspects of the administration of the Housing Department. Duties will include the preparation of bills of quantities and estimates, purchase of materials, erection and maintenance of all Corporation property (by direct labour) and housing and estate management.

The appointment, which is superannuable, is subject to the National Scheme of Conditions, medical examination and one month's notice on either side.

Housing accommodation is available if required.

Essential user car allowance.

Applications, stating age, qualifications and experience accompanied by the names of two referees to be received by the undersigned not later than MONDAY, 16th MAY, 1960.

ALBERT JONES,
Town Clerk.

Town Hall,
Leigh,
Lancs.

CARDIGANSHIRE
COUNTY COUNCIL.

WOULD YOU ENJOY A MILD CLIMATE, GOOD FISHING, BATHING AND SAILING, with the amenities of a University town and a National Library close at hand? ARCHITECTS AND ASSISTANTS who can accept these attractions should apply to the County Architect, County Hall, Aberaeron, Cardiganshire, for forms for posts in A.P.T. Special Grade and A.P.T. Grades I-II. Applications to be returned by 30th MAY, 1960.

J. E. R. CARSON,
Clerk of the County Council.

OLDBURY
BOROUGH.

BOROUGH SURVEYOR'S DEPARTMENT.
APPOINTMENT OF QUANTITY SURVEYOR.

Applications are invited for the appointment of a QUANTITY SURVEYOR on Salary Grade A.P.T. IV (£1,065-£1,220).

Applicants must be members of the Royal Institution of Chartered Surveyors and have experience in all branches of Quantity Surveying, including final accounts for large contracts.

This appointment will be superannuable and subject to the National Scheme of Conditions of Service and to the successful candidate passing a medical examination.

Applications, stating age, experience and qualifications and giving the names of two persons to whom reference can be made to reach the undersigned not later than 17th MAY, 1960.

KENNETH PEARCE,
Town Clerk.

Municipal Buildings,
Oldbury.

MALDEN AND COOMBE
BOROUGH.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.
SENIOR ASSISTANT ARCHITECT.

Applications are invited from Chartered Architects for the appointment of SENIOR ASSISTANT ARCHITECT, Grade A.P.T. IV, £1,065-£1,220, plus London "Weighting," commencing salary according to experience and qualifications. Forms of application, which must be returned endorsed by not later than MONDAY, 30th MAY, 1960, to be obtained from John Apse, A.M.I.C.E., Borough Engineer.

HAROLD E. BARRETT,
Town Clerk.

Municipal Offices,
New Malden,
Surrey

LEYTON
BOROUGH.

(Municipal Borough in the County of Essex. Population approximately 100,000.)
BOROUGH ENGINEER'S DEPARTMENT.

Applications invited for appointment of ARCHITECTURAL ASSISTANT at salary within the scale of £575 per annum rising to £725 per annum (plus London Weighting) in accordance with the provisions of Grade A.P.T. I of the National Scheme of Conditions of Service for Local Authority Staffs.

HOUSING ACCOMMODATION will be made available to successful applicant if required.

5-day week is operated.

Apply by letter to Borough Engineer, Town Hall, Leyton, E.10 (giving names of two referees) not later than FRIDAY, 13th MAY, 1960.

D. J. OSBORNE,
Town Clerk.

Town Hall,
Leyton, E.10.

TWICKENHAM
BOROUGH.

Applications are invited for the following posts:—

(a) ONE SENIOR ASSISTANT ENGINEER (A.P.T. IV, £1,065-£1,220).
(b) ONE JUNIOR ASSISTANT ENGINEER (A.P.T. I, £610-£765).
(c) ONE ASSISTANT ARCHITECT (A.P.T. II, £765-£880).

Posts (a) must have passed the final and (b) and (c) the intermediate examination of their appropriate technical institute. All plus London Weighting Allowance.

Application forms obtainable from Borough Engineer, Municipal Offices Twickenham, to be returned by 20th MAY, 1960.

W. H. JONES,
Town Clerk.

OLDHAM
COUNTY BOROUGH.

WORKS DEPARTMENT.
APPOINTMENT OF ESTIMATOR.

Applications are invited for this appointment. The duties include estimating for all classes of building work carried out by the Works Department.

Applicants should possess a knowledge of all building trades (including painting and decorating), should be capable of preparing accurate estimates from Architects' Drawings, and of preparing specifications and simplified Bills of Quantities.

Salary Grade A.P.T. II (£765-£880 per annum).

The appointment is subject to the National Scheme of Conditions of Service and is superannuable. The successful candidate will be required to pass a medical examination.

Applications with details of qualifications and the names of two referees, should be addressed to The Works Manager, Ashton-road Depot, Copstehill, Oldham, and must reach him not later than 30th MAY, 1960.

EDWARD HAINES,
Town Clerk.

PORTSMOUTH
HIGHBURY TECHNICAL COLLEGE.

Principal: W. Davey, B.Sc., Ph.D., F.R.I.C.

Applications are invited for appointment as ASSISTANT LECTURER, Grade B, to assist mainly in Brickwork classes. Applicants must be suitably qualified. Salary £700-£1,150; commencing rate according to previous experience.

Further details and form of application obtainable from the Registrar, Highbury Technical College, Park-road, Portsmouth.

WELWYN GARDEN CITY
DEVELOPMENT CORPORATION

invite applications for a temporary CLERK OF WORKS to supervise the erection of a three-storey block of shops and flats in Welwyn Garden City Town Centre, costing approximately £150,000, and under the direction of Messrs. Louis de Soissons, Peacock, Hodges & Robertson, who are the architects for the scheme.

Salary will be between £18 and £20 per week according to experience. The appointment is expected to be of about eighteen months' duration. Housing accommodation may be made available in suitable cases. Applicants must have had previous experience as Clerk of Works for similar buildings, general supervision of all trades and be competent in setting out and levelling.

Applications, stating age, qualifications, previous experience (including dates and salaries earned) together with the names and addresses of three referees, should be addressed to The General Manager, Welwyn Garden City Development Corporation, Crutch-road, Welwyn Garden City, Herts., to arrive not later than 11th MAY.

HENDON
BOROUGH.

BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.
CLERK OF WORKS.

Applications are invited for the above appointment at a commencing salary, according to experience, within the Grade A.P.T. II (£765 to £880), plus London Weighting of £30 at age 26 and over.

Pensionable post. Subject to National Scheme. Medical examination. Appointment terminable by one month's notice on either side.

Candidates must have a thorough knowledge of building construction and a wide experience of the building trade generally. Experience in the supervision of multi-storey flats is desirable.

Applications, stating age, qualifications, experience, present appointment and the names and addresses of three referees must reach the Borough Engineer and Surveyor, at the undermentioned address, by 23rd MAY, 1960.

R. H. WILLIAMS,
Town Clerk.

Town Hall,
Hendon,
N.W.4.

LEYTON
BOROUGH.

(Municipal Borough in County of Essex, population approximately 100,000.)

Applications invited for appointment of BUILDING INSPECTOR at salary of £765 per annum to £880 per annum (Grade A.P.T. II, National Scales) plus London Weighting.

Applicants should possess Building Inspector's Certificate of Institution of Municipal Engineers and must have had practical experience of building construction and the examination of building plans.

Five-day week is operated.

Housing Accommodation will be considered.

Apply by letter with names of two referees to Borough Engineer, Town Hall, Leyton, E.10, not later than SATURDAY, 21st MAY, 1960.

D. J. OSBORNE,
Town Clerk.

Town Hall,
Leyton, E.10.

MIDDLESEX
COUNTY COUNCIL.

TOWN PLANNING DRAUGHTSMEN, A.P.T. I, £610-£765 plus London Weighting up to £30. Application forms from County Planning Officer, 10 Gt. George-street, S.W.1, returnable by 16th MAY. (Quote C.464B.)

OVERSEAS PUBLIC APPOINTMENTS

SUPERINTENDENT OF WORKS

Required by ST. HELENA P.W.D. for tour of three years in the first instance. Salary £1,100 a year fixed. Free passages. Liberal leave on full salary. Free unfurnished quarters. Candidates must have a wide knowledge of building construction, be able to estimate and plan new works, prepare designs, survey sites and supervise the construction and maintenance of roads, water supplies and buildings. Write to the Crown Agents, 4 Millbank, London, S.W.1. State age, name in block letters, qualifications and experience and quote M2B/51011/BH.

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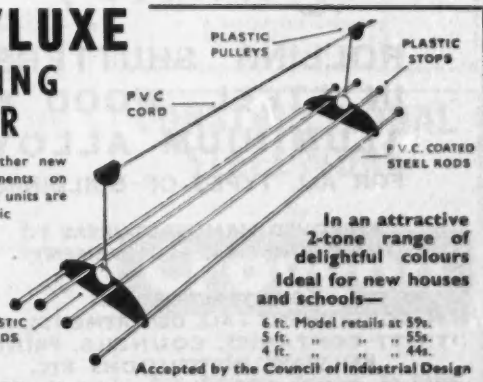

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The Secretary (c),
68 GLOUCESTER PLACE, LONDON, W.1
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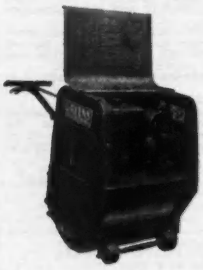

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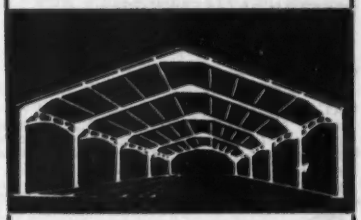

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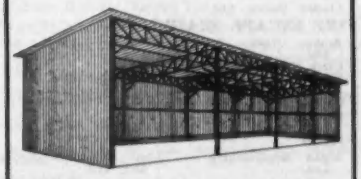

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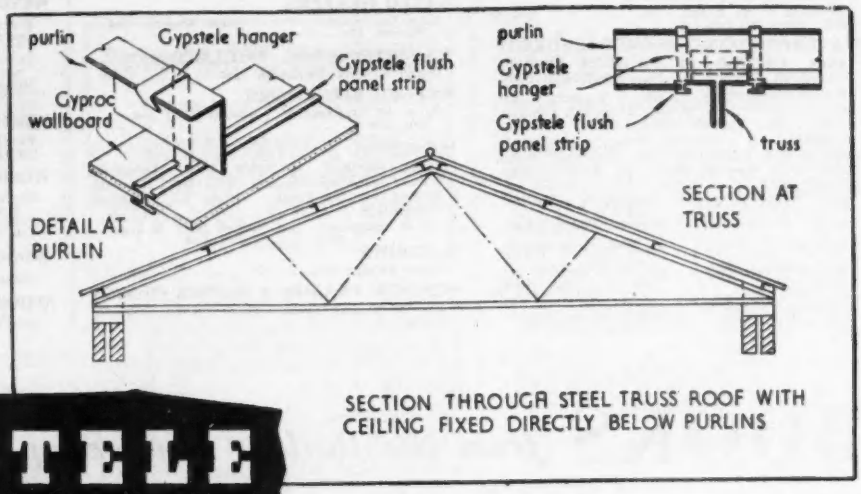

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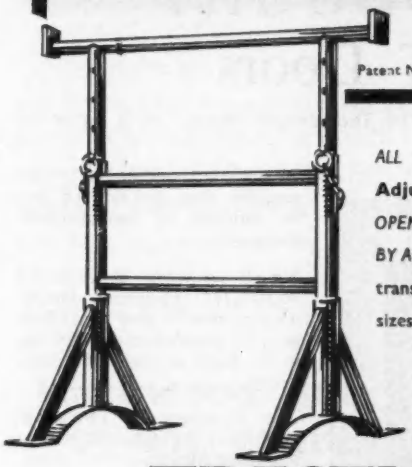

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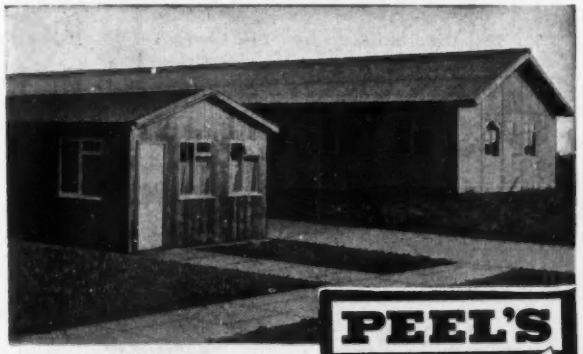

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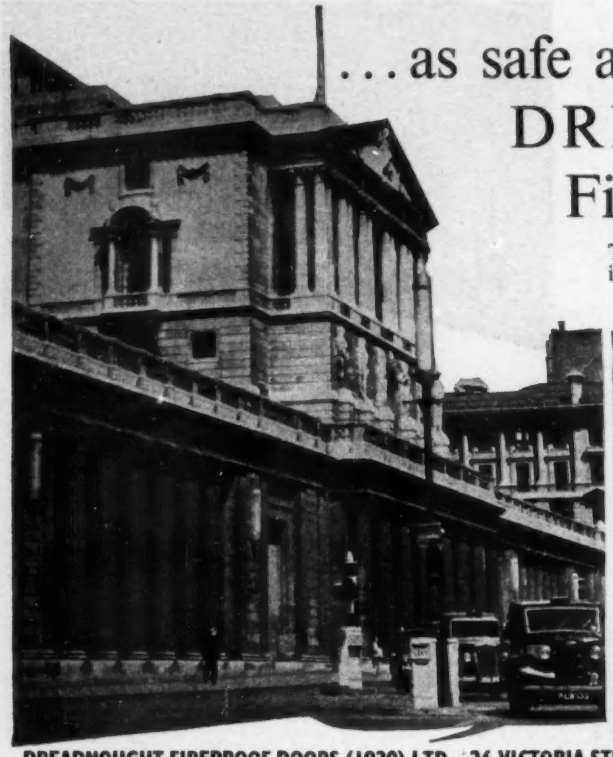

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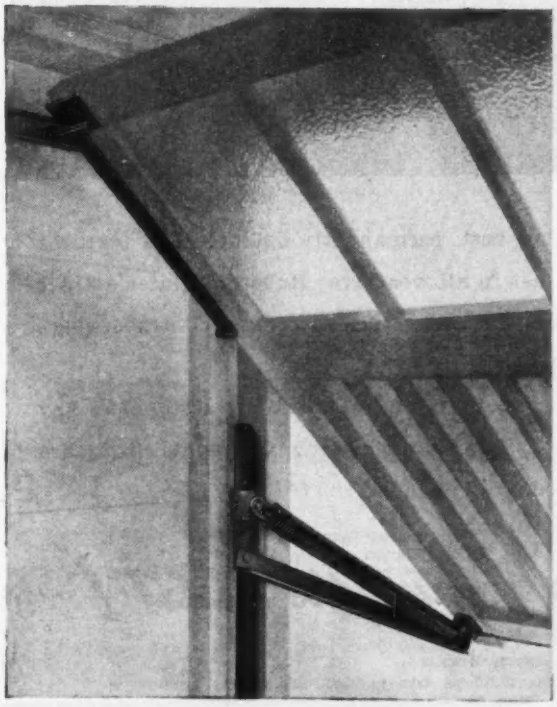

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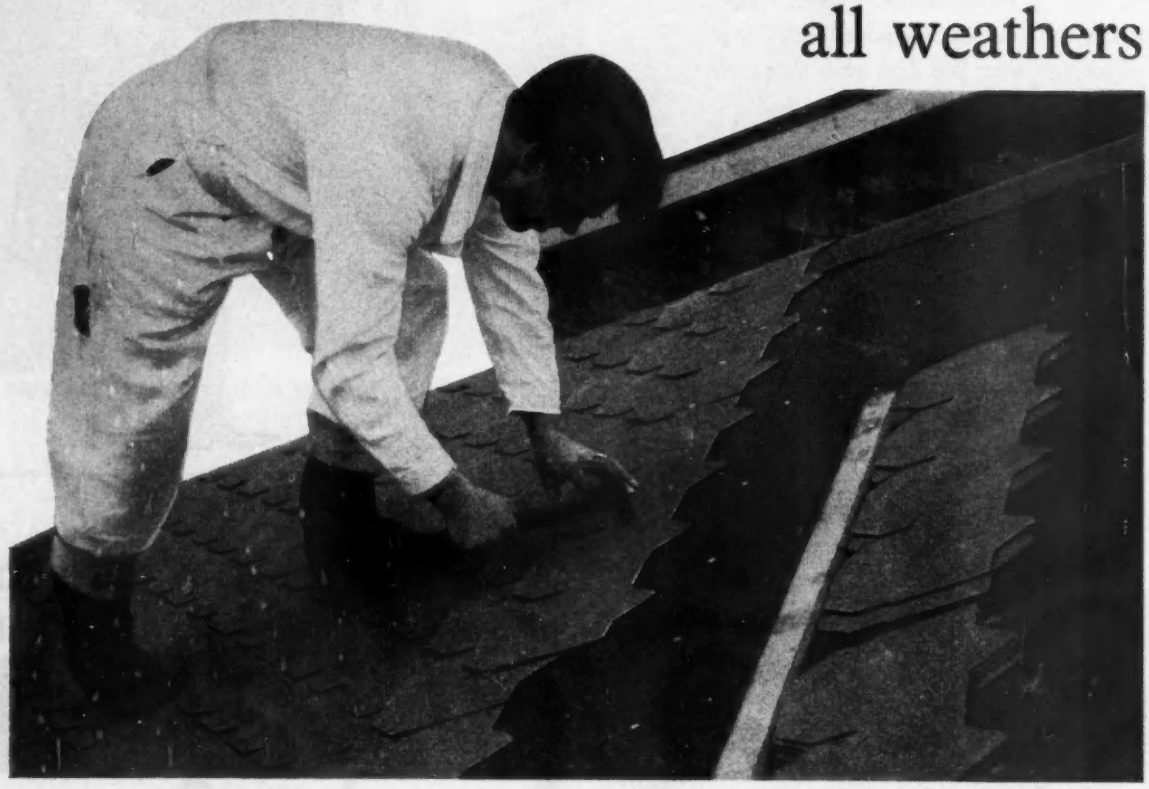

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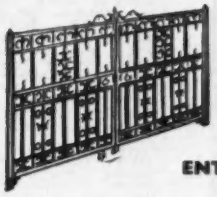

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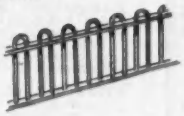

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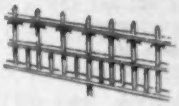

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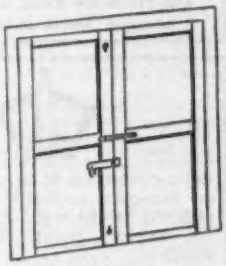

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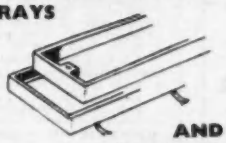

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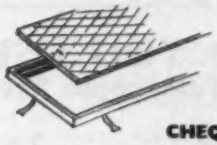

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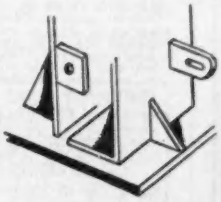

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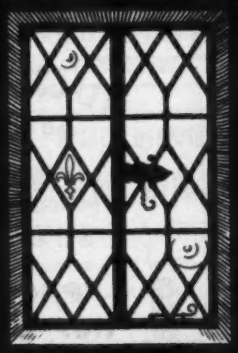

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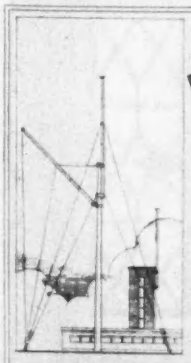

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COURTNEY, POPE LTD.,
have vacancies for qualified
SHOPFITTING
DESIGNER/DRAUGHTSMEN

Salary according to ability. Write first, giving full particulars, to the Managing Director.

QUANTITY SURVEYORS

QUANTITY SURVEYOR with thorough experience of final account work Required by London Chartered Quantity Surveyors. Progressive post with good salary.—Apply, stating age, experience and salary required, to Box 909, "The Builder."

EXPERIENCED QUANTITY SURVEYOR (A.R.I.C.S. preferred) Required by DEARLE & HENDERSON, 7 Victoria-street, S.W.1. 5-day week, superannuation scheme.—Write or 'phone ABBey 2841.

CHARTERED QUANTITY SURVEYORS Required for taking off in busy practice in South Yorkshire. Five-day week and non-contributory pension scheme in operation. Salary up to £1,600 per annum, according to age and experience.—Apply to Box 2672, "The Builder."

SENIOR AND JUNIOR QUANTITY SURVEYORS Required for busy practice in South Yorkshire. Five-day week and non-contributory pension scheme in operation.—Apply stating age, experience and qualifications to Box 2673, "The Builder."

QUANTITY SURVEYOR, well experienced, Required for site measurements, preparing interim valuations and final accounts on all classes of Building and Civil Engineering work. Pension scheme in operation.—Write in confidence, stating age, experience and salary required to General Manager, Constructional Department, CAWOOD WHARTON & CO., Ltd Southlands, Harrogate, Yorkshire.

QUANTITY SURVEYOR Required for South Devon Building Contractors. Permanent position for gentleman with wide experience of interim valuations, final accounts and general administrative work.—Applications with full details of age, qualifications and past experience in confidence to Box 2723, "The Builder."

A COMPANY of Medium/Large Heating and Ventilating Engineers Require the knowledge and training of a QUANTITY SURVEYOR to take charge and develop their estimating and pricing section. Good salary paid to man with progressive thought based on sound principles. Superannuation. 5-day week. London area.—Apply to Box 2739, "The Builder." Letters marked "Confidential."

SITE MEASURING SURVEYOR Required for interesting and varied work.—Write stating age, experience and salary required, to FRANK N. FALKNER & PARTNERS, Chartered Quantity Surveyors, Windscale Works, Seascale, Cumberland, or telephone Seascale 462 for appointment.

ASSISTANT QUANTITY SURVEYOR Required by London firm of Quantity Surveyors having varied practice.—Please reply to Box 992, "The Builder."

QUANTITY SURVEYOR, with taking-off experience. Required for interesting and varied work in quantities department of busy architect's office. Superannuation scheme available, holiday arrangements honoured.—Please forward details of experience, date available and salary required, in confidence, to T. H. JOHNSON & SON, FF.R.I.B.A., Architects, 6, South-parade, Doncaster.

SENIOR ASSISTANT, preferably chartered, Required by West End firm of Quantity Surveyors. Salary about £1,250 per annum.—Reply, stating age and experience, to Box 2886, "The Builder."

ASSISTANT QUANTITY SURVEYOR Required. Capable of taking-off and dealing with accounts. Large Midlands office. 5-day week. Pension scheme. —Reply, stating age, experience and salary required, Box 2876, "The Builder."

SITE QUANTITY SURVEYOR for long-term contract at Newport, Mon., Required by firm of Chartered Quantity Surveyors. Rented accommodation available.—Apply, stating age, experience and salary required, to Box 2928, "The Builder."

TAKER-OFF/MEASURING SURVEYOR Required by Chartered Quantity Surveyors for Site Office, North Kent. Housing accommodation available.—Please write, stating age, experience and salary required, to Box 2929, "The Builder."

EXPERIENCED MEASURING SURVEYOR. for work at Port Talbot, Glam., Required by firm of Chartered Quantity Surveyors.—Apply, stating age, experience and salary required, to Box 2930, "The Builder."

QUANTITY SURVEYOR Required immediately for measuring, final accounts, etc. Progressive appointment.—Details, age, experience and salary requirements, to T. RINGHAM & CO., Ltd., 4 The Broadway, S.W.19.

ASSISTANT QUANTITY SURVEYOR, 22/24 years, Required by S.W.16 London Building Contractors to measure sub-contractor's accounts, site measurements, bonus surveying.—Apply stating age, experience and salary required to Box 2968, "The Builder."

SURVEYORS

BUILDERS' SURVEYORS Required in Bristol and West of England, fully experienced in Site Measuring, Variations, Interim Valuations and Sub-contractors. Knowledge of bonusing and cost analysis. Good prospects and permanent position intended. —Apply, in confidence, giving full particulars of age, experience, etc., to W. E. CHALKE & CO., Ltd., Croft House, Langford-road, Weston-super-Mare.

SURVEYOR/ESTIMATOR, experienced, Required for small works department of the London branch of FASSNIDGE SON & NORRIS.—Reply, stating age, experience and salary required, to Head Office, 222 High-street, Uxbridge, Middlesex.

D. ANDERSON & SON, Ltd., Require the services of a BUILDING SURVEYOR with minimum two years' office or site experience for their Manchester and London offices. Age 20-30. Good prospects exist for young men prepared to work and learn specialists roofing and who are also anxious to assume interesting Managerial responsibilities.—Reply to Box 2393, "The Builder."

JUNIOR SURVEYOR Required for general duties in Builder's office. Full scope given to increase knowledge in all aspects of surveying and general management.—CLARK BROS., Swindon, Wilts.

PLASTERING Contractors in South West London Require experienced MEASURING SURVEYOR. Good salary and permanent pensionable position for suitable applicant.—Write, stating age, experience and present salary to Box 975, "The Builder."

MEASURING SURVEYOR/TAKER-OFF for London Quantity Surveyors, able to handle Interim Valuations, Deviations and Final Accounts. Must be willing to travel. Salary according to experience and ability.—Box 934, "The Builder."

BUILDING SURVEYOR. Intermediate standard with minimum of two years' good office experience, Required for Architect's and Surveyor's office. Used to Specifications and small Building Contracts, some drawing ability an advantage. Five-day week, luncheon vouchers. Salary according to experience up to £700 per annum.—Please reply to Box 918, "The Builder."

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Vacancies exist on major Civil Engineering and Industrial Building Projects or experienced :—

CHIEF SITE SURVEYORS ASSISTANT SURVEYORS
BONUS SURVEYORS AND EXPERIENCED CLERKS

Positions are available in various locations throughout Great Britain which offer excellent prospects and opportunity for permanency and promotion. Pension Scheme and Life Insurance. Apply in confidence giving age, details of education, training, qualifications and experience with indication of salary required to :—

ROBERT M. DOUGLAS (Contractors) LTD.,
395, George Road, Erdington, Birmingham 23.

QUANTITY SURVEYORS

required by

SIR ROBERT McALPINE & SONS LTD.

Senior takers-off, site surveyors and senior and junior workers-up required for preparation of Building and Civil Engineering Bills of Quantities in South Wales. Interesting work. Excellent prospects. Good salaries.

Telephone:
Llanwern 531—Extn. 6
Langham 0481—Extn. 41
for interview

QUANTITY SURVEYORS & ASSISTANTS

required for London Provincial and Overseas Contracts. Good Salary Superannuation, excellent prospects. Write giving details of experience, age, etc., to Personnel Department,

HUMPHREYS LTD.
Building and Civil Engineering Contractors,
199 Knightsbridge S.W.7.

QUANTITY SURVEYORS

Senior Quantity Surveyors required for interesting work in Preston office. Applicants should be Chartered Quantity Surveyors and should have had experience on large contracts. Permanent appointments with attractive pension scheme and top level salaries.

Full particulars of qualifications and present appointment and salary to:

Arnold E. Towler, A.R.I.C.S.,
Manfield Chambers,
117 Fishergate, Preston, Lancs.

A. MONK AND COMPANY LIMITED

Require the services of

EXPERIENCED QUANTITY SURVEYORS AND ASSISTANTS

for major civil engineering and building contracts in the South West Midlands and for works administered from Regional Offices at London, Hull, Middlesbrough and Stamford (Lincs.). Salary according to age, experience and qualifications. Superannuation scheme in operation. Please reply stating age, previous experience and salary required to the Chief Surveyor at the Company's Head Office at Padgate, Warrington, Lancs. Replies will be treated in confidence.

SURVEYOR Required by old-established Contractors specialising in Reinforced Concrete and finishings of Tiling Marble and Terrazzo. Experienced in taking-off and measuring for final account. (Salary in the region of £1,000.) The position is permanent and pensionable.—Write fully, experience and age to Box 952, "The Builder."

Chartered Quantity SURVEYOR

required to manage London Office of Overseas Practice. Position offers scope for rapid advancement to an energetic ambitious man. Must be willing to make occasional short visits abroad. Commencing salary £1,500 to £1,700 per annum. Please reply, stating age, whether married and details of experience, to

Box 2762, "The Builder"

QUANTITY SURVEYING STAFF

WATES LIMITED

We are still seeking one or two more Quantity Surveyors and Assistant Quantity Surveyors who can take responsibility. Experience according to the post is needed in the preparation of valuations and the agreement of final accounts. To the right men there is every opportunity for advancement in an interesting career and potential for development. Generous profit sharing, savings and superannuations schemes are in operation.

Write fully, stating age, qualifications, detailed experience and present salary to

Personnel Manager,
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SENIOR QUANTITY SURVEYORS

Old established C. E. & B. Contractor has vacancies for several Senior Surveyors to handle an interesting expansion programme.

The positions are permanent, will carry a good salary and there is a pension scheme.

Applications should state past and present employment, salary, education, qualifications, age and when available and address to:

Wilson Lovatt & Sons Ltd.,
Clarence Street,
Wolverhampton.

A. J. WAIT & CO. LTD.
require

SENIOR & ASSISTANT SURVEYORS

for Contracts in the London & Home Counties areas.

Permanency and prospects for the right applicants. All details in confidence, stating age, training, experience and salary.

Apply in writing to Chief Surveyor, Wellington Crescent, New Malden, Surrey.

SITE SURVEYOR Required by Chartered Quantity Surveyors, for Civil Engineering Contract in Yorkshire. Probationary period in London office.—Write, stating age, experience and salary required, to Box 956, "The Builder."

SITE-MEASURING SURVEYOR Required by Chartered Quantity Surveyor for Bedford/Northants border. Must be experienced W.D. Schedule. Immediate vacancy, age secondary consideration.—Write, stating experience, salary required, and if owner driver.—Box 2778, "The Builder."

A SURVEYOR Required by West End Chartered Surveyor. Should be used to preparing Schedules of Dilapidations. Specifications and Plans for small work, supervising Builders' work, etc. Salary according to experience (£750-£1,000).—Send full particulars to Box 2612, "The Builder."

SITE OFFICE TRAINEE BUILDER OR SURVEYOR Required in Bristol area.—Write stating qualifications and salary required.—Box 2678, "The Builder."

BUILDING SURVEYOR Required for medium-sized South London Builders. Able to take decisions and particularly competent to negotiate orders with sub-contractors, and complete final accounts. Only experienced man with initiative to work on own need apply. Modern offices and working conditions. Summer holidays respected. Pension scheme available.—Write strictest confidence stating experience, salary required, etc., Box 2719, "The Builder."

MESSRS. OSWALD E. PARRATT Require experienced MEASURING SURVEYOR for their Harlow office. Five-day week, pension scheme, service agreement to suitable applicant. Housing accommodation may be available. State age, experience and salary required to Adelaide House, London Bridge, E.C.4.

MEASURING SURVEYORS Required by Quantity Surveyors near London Bridge. Five-day week. Pension and Life Assurance scheme.—State age, experience and salary to Box 2730, "The Builder."

SENIOR ASSISTANT Required by Chartered Quantity Surveyors near Victoria Station. Permanent appointment. Superannuation scheme. Luncheon Vouchers. 5-day week. Good salary and prospects.—Write full particulars to Box 2734, "The Builder."

BUILDERS' SURVEYOR. 25-30, with minimum five years' recent experience in builders' office, should be capable and willing to undertake contracts from £10,000 to £500,000. All applications treated confidentially and acknowledged.—Send full details and salary required to PEAK CONSTRUCTION (LIVERPOOL) Ltd., Knight-road, Strood, Kent.

SITE MEASURING SURVEYORS. fully experienced in W.D. Schedule Required by firm of chartered quantity surveyors in connection with A.M. contracts in South Midlands area. Permanencies offered to suitable candidates.—Write, stating age, experience and salary required, to Box 2779, "The Builder."

SURVEYOR Required by East Dulwich Contractors, able to prepare quantities from drawings and estimate for small works. Holiday arrangements respected. Good prospects for right man. State age, experience and salary.—Box 2798, "The Builder."

MATERIALS SURVEYOR REQUIRED in materials taking-off department of large Building and Civil Engineering Contractors. Experience in R.C. and Public Works an advantage.—Write, stating age, experience, etc., M. J. GLEESON (CONTRACTORS), Ltd., T.O. Dept., Haredon House, London-road, North Cheam, Surrey.

SURVEYOR/OUTSIDE SUPERVISOR. Alterations, conversions and small works. Interview clients and preferably able to assist with estimating. Salary according to age and conditions.—J. & H. OTTREY Ltd., Acre House, Victoria-street, Windsor.

SENIOR MEASURING SURVEYOR Required by Chartered Quantity Surveyors near Victoria Station. Salary £1,000 a year upwards according to experience. Pension scheme. Luncheon vouchers.—Write, full particulars, to Box 2853, "The Builder."

CHARTERED SURVEYORS with country practice in West Sussex, Require BUILDING SURVEYOR. Must be capable of preparing working drawings and detailed specifications from sketches and handling small contracts (up to £10,000) from start to finish with little supervision.—Box 2856, "The Builder."

SENIOR SURVEYOR capable of dealing with final accounts Required by reinforced concrete specialists in West London. Pension and bonus scheme. Canteen.—Box 2859, "The Builder."

JUNIOR SURVEYOR (age about 25) Required for all types of contracts in London and N.W. Kent areas. Applicants should be of H.N.C. standard. Permanent progressive situation.—Apply, giving full details of age, experience and salary required, to GALBRAITH BROS., Ltd., Crayford Bridge, Crayford, Kent.

JUNIOR ASSISTANT Required by Chartered Quantity Surveyors near Victoria Station for taking-off. R.I.C.S. Intermediate standard. Good salary and prospects. Superannuation scheme. Luncheon vouchers. 5-day week.—Write, full particulars, to Box 2878, "The Builder."

BUILDER'S SURVEYOR Required; must have sound knowledge of site measuring, variations, interim valuations, final accounts, etc.; pension scheme.—Apply, in writing only, giving full particulars of age, experience, education and salary desired, to BRAZIER & SON, Ltd., 303-305, Portswood-road, Southampton.

SURVEYOR Required by Plastering Contractors. Good salary. Car available.—Apply, in confidence, to J. B. ABBOTT & CO., Ltd., The Winchester Yard, Northwood-road, Highgate, N.6.

SENIOR AND JUNIOR MEASURING SURVEYORS Required by chartered quantity surveyors for work on large long-term interesting contract in N.W. England.—Please reply, stating age, experience and salary required, to Box 2899, "The Builder."

BUILDING SURVEYOR Required by chartered firm in Southampton. General experience essential and preferably qualified. Salary in the range £750-£1,000 per annum according to experience.—Apply, in confidence, in writing, to B. Gater, F.R.I.C.S., F.A.I., RICHARD AUSTIN AND WYATT, Chartered Surveyors, 26, London-road, Southampton.

JUNIOR SURVEYOR, age 20/26, Required on permanent staff of London contractors for measuring sub-contractors and to assist and train under Senior Surveyors.—Apply, Box 2923, "The Builder."

ASSISTANT TO CHARTERED SURVEYOR. Intermediate standard, for Victoria office. Five-day week. Very varied work.—Reply, stating age, experience and when available, Box 2912, "The Builder."

Building

SENIOR PLANNER

(Head Office—York)

An interesting position is available for a Senior Planner in the Central Planning Department at our Head Office, to assist in the production of new projects.

Applications are invited from men between 28 and 38 years of age, experienced in quantity surveying and with a keen interest in advanced production planning techniques. Applicants with a sound knowledge of building construction and suitable quantity surveying experience would be considered for training for this position.

This permanent position offers attractive staff conditions, progressive salary, annual bonus, non-contributory pension scheme and assistance with housing. Summer holiday arrangements will be accepted.

Written applications, which will be dealt with in strict confidence, should state age, full details of experience, some indication of commencing salary required and should be addressed for the personal attention of:

Donald W. Shepherd, F.I.O.B.,
Technical Director,

F. SHEPHERD & SON LIMITED

Building & Civil Engineering Contractors,
Blue Bridge Lane, YORK.

There are vacancies on the Staff of a

LONDON CONTRACTOR

for

MEASURING SURVEYORS

Work is interesting and varied giving a wide experience in many classes of building. There are good opportunities for promotion and salaries are reviewed regularly.

HOLIDAY ARRANGEMENTS FOR THIS YEAR WILL BE HONOURED

Staff bonus and Pension Scheme in operation. Successful applicants will be based at Head Office in the West End of London. Write for interview to Box No. 2610 giving age and experience.

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Required by London Contractors engaged on a variety of work.

Excellent opportunity for a keen and hard-working surveyor to establish a soundly run bonus and costing section. Excellent prospects for right man.

A. T. Chown & Co. Ltd.,
Chilworth St., W.2.

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(Age 30/35)

Alterations and Decorations (Small Works). Able to estimate and organise own contracts. Good salary and annual bonus on results. Free Pension Scheme.

Box No. 2446, "The Builder"

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Senior Builders' Quantity Surveyor required to supervise housing and school contracts within a radius of Wolverhampton. Capable of measuring valuations, ordering materials, handling Sub-Contractors and settling final accounts, knowledge of estimating an advantage but practical site experience is essential.

Please write to:

Area Planning Engineer,
SIR ALFRED McALPINE & SON LTD.
49 Waterloo Road, Wolverhampton

LAVENDER, McMILLAN (Cntrs.) LTD.

invite applications for

MEASURING SURVEYORS

for work in connection with various contracts in the Southern Counties. Opportunity for young men to increase their experience under the supervision of Senior Surveyors. Apply in writing giving full details and salary required to

The Chief Surveyor,
Lavender, McMillan (Cntrs.) Ltd.,
54 Cheam Common Road,
Worcester Park, Surrey.

COST SURVEYOR (Age 24-30)

required for large London Contract. Must be capable of operating a Cost and Target system. Apply in confidence stating age, experience, when available, and salary required, to

Personnel Manager,
H. Fairweather & Co., Ltd
St. James's Lane,
Muswell Hill,
London, N.10.

CUBITTS

SURVEYING AND ESTIMATING STAFF

Appointments in London will be made as follows:-

SENIOR SURVEYOR

civil engineering, not less than 7 years' experience after training

SURVEYOR AND Estimator/Surveyor,

medium sized building work.
The positions offer very good conditions and prospects in a large and expanding organisation. Suitably qualified candidates are invited to write in strictest confidence to:—

Personnel Manager (B.5460)
HOLLAND & HANNEN and CUBITTS (Great Britain) Ltd.,
1, Queen Anne's Gate,
London, S.W.1.

BUILDERS' SURVEYOR for valuations, variations, final accounts, etc., of medium-size contracts in London and Essex. Holiday will be given this summer.—Apply, stating age and details of training and experience, to CHARLES S. FOSTER & SONS, Ltd., Loughton, Essex.

MEASURING SURVEYOR Required by firm of Chartered Quantity Surveyors in W.1 district. Excellent prospects. Good commencing salary, overtime available. Non-contributory pension and insurance scheme.—Write Box 2971, "The Builder."

ASSISTANT SURVEYORS

ASSISTANT ESTIMATING/SURVEYOR Required at our London Office to handle small and medium sized contracts. Must possess sound knowledge of quantity surveying. Salary £800-£900 according to experience.—Full details, to DOUGLAS GRANT & PARTNERS, Ltd., 62 Finsbury Pavement, E.C.2.

ASSISTANT SURVEYOR Required for quantities department. Young man studying for H.N.C. and with at least two years' experience preferred. Should be capable of handling bonus schemes, costing, measuring sub-contractors and general routine.—Apply, in writing, stating age and experience, to M. HOWARD (MITCHAM), Ltd., Wandle House, London-road, Mitcham, Surrey.

ASSISTANT SURVEYORS (aged 22-27) Required for varied and interesting work including Taking-off, Site Measuring, Estimating, Bonusing, Planning and job management in all classes of building work. Experience in all fields not essential. Excellent prospects to progress with this expanding group of Companies.—Apply to Mr. Kift, WRAIGHT, Ltd., 23 London-road, Sittingbourne. 'Phone: 666.

ASSISTANT BUILDING SURVEYOR, preferably with some professional training. Required by multiple jewellers for general duties connected with property management. Age 25/30; 5-day week; pension scheme. Starting salary £600/£750.—Apply, giving age and experience, to JAMES WALKER Ltd., Century House, Streatham, S.W.16.

ASSISTANT SURVEYOR, age 20-23. Required by Medium-sized Contractors experienced in site measurement and general surveying duties. Five-day week.—Apply, stating age, experience and salary required to ROBERT HART & SONS Ltd., 121 Victoria-street, S.W.1.

ASSISTANT SURVEYOR/ESTIMATOR Required for General Works Department. Capable of preparing quantities from drawings, etc. Training in pricing given if required. Opportunity for advancement. Permanent and pensionable position and bonus.—Write with full details to: The Director, WALTER LILLY & CO., Ltd., 8 St. Ann's-street, Westminster, S.W.1.

ALFRED WOODLEY Ltd., of Amersham, Bucks., Require an ASSISTANT BUILDING SURVEYOR, with knowledge of estimating, drawing, site measuring, and planning for housing, minor works and jobbing. The position has a salary range of £650-£800 per annum and assistance will be provided with housing.—Applicants, about 25 years of age, with an intermediate surveying qualification, should apply in writing, stating age, qualifications and experience to B.A.S. (B.W.3), 82 New Cavendish-street, London, W.1.

TERSONS LIMITED

are seeking Surveyors and

ASSISTANT SURVEYORS

in the Yorkshire area, due to continued expansion. Vacancies occur particularly in Sheffield and Huddersfield.

Excellent salaries and conditions are offered, together with prospects of promotion to executive positions.

Apply in confidence, stating age, previous experience and employers to Chief Surveyor, Tersons Ltd., 4 Dollis Park, London, N.3.

A SURVEYOR

is required for medium sized building contracting firm in N. Herts. Age 28-35. Basic knowledge of Bills of Quantities, able to prepare interim and final accounts together with sub-contractors accounts. Salary would be plus car and pension scheme. Assistance could be given in obtaining housing accommodation. Write, stating age, qualifications, experience and salary required to

B.A.S. (F.19),
82, New Cavendish St., London, W.1.

JUNIORS

4-DAY WEEK opportunity for juniors and/or post-intermediate students to keep abreast with their school work and undertake interesting and varied office work, including Schools, Hospitals, and Public Houses. Good salary according to qualifications and experience. 5-day working and overtime when desired, luncheon vouchers.—Appointment by telephone ROYal 6216, STEWART HENDRY & SMITH, F/F.R.I.B.A., A.M.T.P.I., 90 Fenchurch-street, London, E.C.3.

WILLIAM WILLETT (CONTRACTORS) LTD.

Require the following additional staff following a planned expansion of contract work.

LONDON OFFICE
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Capable of Managing in all respects building contracts of up to £500,000 in value.

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Preferably carpenter and joiner by trade, experienced and capable of executing building contracts (including reinforced concrete work) to a high standard of efficiency and finish.

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Experienced in handling final accounts in all phases including sub-contractors' accounts.

TRAINEE or JUNIOR SURVEYOR (Two)

Limited or no previous experience required, but ambition and a sound basic education essential.

HOVE (Sussex) OFFICE
CONTRACT MANAGER

Practical background essential but with experience in controlling number of medium sized building and reinforced concrete contracts in conjunction with managing surveyor.

GENERAL FOREMAN (TWO)

As for London Office above except that for one post a man very experienced in reinforced concrete work will be required.

All the above positions are well paid, with the additional inducement of an annual bonus scheme, a superannuation scheme after a limited period of service, and excellent working conditions.

Apply, in the strictest confidence with the fullest possible details, to:

William Willett (Contractors) Ltd.
Sloane Square, S.W.1

G. & C. WHITTLE LIMITED

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REQUIRE:

MEASURING SURVEYOR AND ASSISTANT ESTIMATOR

Please write giving full details of experience. All applications will be treated with the utmost confidence:—

Cleveland Works, Acton Green, W.4

R. Costain & Sons (Liverpool) Ltd.

BONUS and COSTING SURVEYORS

required for interesting work in the Merseyside area.

Excellent opportunities for conscientious men in an expanding department of the company.

Applications stating age, experience and salary required to

Box 1888
Lee and Nightingale, Liverpool.

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Required for permanent progressive post with long established Building Contractors with expansionist programme in hand. Knowledge of price analysis and build up. Holiday arrangements honoured.

Write in strict confidence, or phone

Iver 506.
E. & J. COTTON LIMITED,
High Street, Iver,
Bucks.
(Nr. Uxbridge.)

TERSONS LIMITED
are seeking
SURVEYORS and ASSISTANT SURVEYORS
in the Manchester area, due to continued expansion.

Vacancies occur particularly in Lytham St. Anne's and Manchester.

Excellent salaries and conditions are offered, together with prospects of promotion to executive positions.

Apply in confidence, stating age, previous experience and employers to

Chief Surveyor,
Tersons Ltd.,
4 Dollis Park, London, N.3

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Required for progressive post with old-established Building Contractors with expansionist programme. Capable of dealing with contracts from enquiry to final Account. Holiday arrangements honoured.

Write in strict confidence, or phone

Iver 506.
E. & J. COTTON LIMITED,
High Street, Iver,
Bucks.
(Nr. Uxbridge.)

A. E. A. PROWTING LTD.
require a
SURVEYOR in the Pre-Planning department capable of taking off quantities and preparing schedules for domestic dwellings. High salary and bonus and pension scheme with permanent progressive position offered to enthusiastic applicants.

Apply,
BURY STREET, RUISLIP,
MIDDX.

LESLIE & CO. LTD.
Contractors
require immediately
MEASURING SURVEYOR

for their London Head Office. Candidates should be experienced in valuations and site measuring up to Final Account. This post carries an attractive salary, good annual bonus and non-contributory pension scheme.

Apply in confidence to

The Chief Surveyor,

Peel Street,
Kensington,
London, W.8.

ESTIMATOR/SURVEYOR
required by
progressive firm N.E. London

L.I.O.B. an advantage. Pension scheme. Apply in writing giving details to

Box No. 919, "The Builder"

WESTMINSTER Quantity Surveyors Require YOUNG MAN 16-18. Applicants must hold General School Certificate. Excellent opportunities for training. Five-day week.—Reply in own handwriting to Box 2863, "The Builder."

JUNIOR Required by Chartered Quantity Surveyors, Holborn area. Opportunity to learn profession in small but expanding practice.—Apply in handwriting to Box 2962, "The Builder."

TAKERS OFF

SENIOR and JUNIOR TAKERS-OFF Required by London firm of Chartered Quantity Surveyors. 5-day week. Paid holiday this year.—MERCER & MILLER, F./F.R.I.C.S., 10 Manchester-square, London, W.1. HUNter 0497.

CHELMSFORD QUANTITY SURVEYORS Require JUNIOR TAKER-OFF or TRAINEE BUILDING SURVEYOR to assist senior taker-off. Holiday arrangements honoured.—Write, giving details of experience and salary required.—Box 2843, "The Builder."

E. C. HARRIS & PARTNERS have vacancies for TAKERS-OFF at their Head Office, also at Basildon, Essex and Mitcham, Surrey. Pension scheme. 5-day week.—Apply, stating office preferred, age and experience, to 7/12 Tavistock-square, W.C.1.

SENIOR AND JUNIOR TAKERS-OFF Required by London Chartered Quantity Surveyors.—Please reply stating age, experience and salary required to G. F. K. WHITE & HAYTON, F./F.R.I.C.S., 38-39 Parliament-street, S.W.1.

TAKERS-OFF Required by London Chartered Quantity Surveyors for permanent staff.—Write stating age, experience and salary required to Box 916, "The Builder."

TAKER-OFF of Intermediate to Final standard Required by Westminster Quantity Surveyors. Excellent prospects in London Office and opportunities for overseas tours.—Apply, stating age and experience, Box 923, "The Builder."

MANCHESTER Quantity Surveyors (London Firm) Require TAKER-OFF. Need not be qualified but must be thoroughly experienced. Five-day week. Paid overtime. Pension Scheme.—Box 924, "The Builder."

MANCHESTER. Quantity Surveyors (London Firm) Require Staff. Good salary, Overtime, Pension Scheme. Five-day week. (a) SENIOR TAKER-OFF. Must be experienced man. (b) SENIOR MEASURING SURVEYOR. For duties on Final Accounts. (c) SENIOR WORKER-UP. Must be experienced man. Willing to take responsibility.—Box 926, "The Builder."

EXPERIENCED TAKER-OFF Required for Quantity Surveyors in Victoria. Varied types of work. Good prospects.—Write, stating age, full details of experience and salary required. Box 2780, "The Builder."

TAKER-OFF/MEASURING SURVEYOR (preferably qualified) Required for long-term appointment in branch Site Office in Berkshire by London Chartered Quantity Surveyors. House available. Subsistence allowance. Superannuation scheme. Five-day week.—Write full particulars to Box 2794, "The Builder."

TAKER-OFF (Final standard) Required by Chartered Civil Engineers for their Quantity Surveying Department. Applicants must be capable of preparing bills of quantities for building and civil engineering works under supervision of Chartered Quantity Surveyor. Five-day week. Pension scheme and L.Vs.—Apply stating age and experience to J. D. & D. M. WATSON, 67 Tufton-street, Westminster, London, S.W.1.

TAKER-OFF of Intermediate to Final Standard Required.—Reply stating age, experience and salary required to REEKES & MANN, Chartered Surveyors, 23 Bloomsbury-square, London, W.C.1.

AUSTRALIA. Highly paid situations for TAKERS-OFF, see advertisement in Overseas Section.—Box 2665, "The Builder."

EXPERIENCED TAKER-OFF Required by Westminster Quantity Surveyors for responsible post. Excellent prospects. Lunch vouchers. Five-day week.—Write stating age, experience and salary required to Box 991, "The Builder."

TAKERS-OFF—Junior and Senior—Required by City Chartered Quantity Surveyors. Five-day week, pension scheme.—State age, experience and salary required to Box 2732, "The Builder."

TAKER-OFF (recent A.R.I.C.S. or this year's finalist) Required by Chartered Quantity Surveyors near Victoria Station. Permanent appointment to work on large and interesting projects. Pension scheme. Luncheon vouchers.—Write full particulars to Box 2733, "The Builder."

SENIOR TAKERS-OFF Required in Bloomsbury Chartered Quantity Surveyors' Office. First-class working conditions including Luncheon Vouchers and pension scheme with good prospects offered to suitable applicants.—Apply, stating age, qualifications, academic background and salary required, to Box 959, "The Builder."

EXPERIENCED TAKER-OFF for permanent position in busy and varied City practice. Commencing salary not less than £1,200 per annum plus overtime.—Box 2629, "The Builder."

TAKING-OFF ASSISTANTS (Intermediate standard) Required by Westminster firm of Quantity Surveyors (close Victoria Station). Salary £650-£750 per annum according to experience. Five-day week, overtime extra.—Full details of experience, age, etc., to Box 2862, "The Builder."

TAKING-OFF ASSISTANTS (Final and Intermediate standard) Required for Quantity Surveyors' Sussex office at Brighton. Five-day week, overtime extra. Permanent position.—Reply stating experience, age and salary required, to Box 2865, "The Builder."

TAKER-OFF Required by Chartered Quantity Surveyors in Reading area.—Apply Box 2858, "The Builder."

EXPERIENCED TAKER-OFF Required in London Chartered Quantity Surveyors' office. First-class working conditions with Pension and Life Assurance scheme.—Apply stating age, qualifications, experience and salary required, to Box 2850, "The Builder."

JUNIOR TAKER-OFF for Brighton office of Chartered Quantity Surveyors. State experience and salary.—Box 2889, "The Builder."

CO-OPERATIVE WHOLESALE SOCIETY Ltd., Architect's Department, Manchester. TAKERS-OFF Required. Applicants should be competent at taking-off in all trades with the minimum of supervision. Membership of the R.I.C.S. an advantage but not essential. Five-day week. Pension scheme.—Applications stating age, experience, qualifications and salary required, to G. S. Hay, F.R.I.B.A., Chief Architect, CO-OPERATIVE WHOLESALE SOCIETY Ltd., 1 Balloon-street, Manchester 4.

CROYDON firm of Quantity Surveyors Require Junior and Senior TAKERS-OFF.—Replies, giving full details of experience and salary required to be sent to Mr. R. Morrison, of DAVIES, BILL & PARTNERS, 15 George-street, Croydon.

JUNIOR TAKER-OFF Required by firm of Chartered Quantity Surveyors in London. (A.R.I.C.S. preferred). Salary £750-£950. Pension Scheme. Luncheon vouchers.—Please write, stating age, experience and salary required, to Box 2931, "The Builder."

LONDON FIRM of Chartered Quantity Surveyors Require experienced TAKERS-OFF for long-term contracts in South Wales.—Please apply, stating age, experience and salary required, to Box 2932, "The Builder."

TAKER-OFF Required by Westminster Chartered Quantity Surveyors. Intermediate to Final Standard, near Victoria. L.V. Five-day week.—Write, stating age, experience and salary required, Box 2947, "The Builder."

SENIOR TAKER-OFF Required by London Quantity Surveyors. Permanent position. Pension and Life Assurance Scheme. Salary £1,700 per annum.—Write, stating age and experience, Box 2959, "The Builder."

TAKERS-OFF Required in planning department of rapidly expanding contractor's branch office in S.W. London. Applicants should be of at least Intermediate standard and preferably with experience of both professional and contractors' offices. Five-day week, pension scheme. Write, giving brief details of experience and age and salary required.—Box 2896, "The Builder."

JUNIOR TAKER-OFF Required by London Quantity Surveyors for permanent position. Commencing salary £1,000 per annum. Pension and Life Assurance Scheme.—Write, stating age and experience, Box 2960, "The Builder."

TAKER-OFF, age 26/40. Required for Central London chartered surveyor's office. Excellent prospects, 5-day week. Salary up to £1,500, according to ability and experience.—Box 2902, "The Builder."

TAKER - OFF / MEASURING SURVEYOR (A.R.I.C.S.) Required by London Quantity Surveyors. Pension and Life Assurance Scheme. State age and experience. Salary £1,500 per annum. Car provided.—Box 2951, "The Builder."

EXPERIENCED TAKERS-OFF Required for work in London chartered quantity surveyor's office. 5-day week.—Reply, giving details of experience and salary required to Box 2898, "The Builder."

SENIOR TAKER-OFF (A.R.I.C.S. preferred) Required in London office by busy firm of Chartered Quantity Surveyors. Commencing salary £1,250-£1,400 according to qualifications and experience. Overtime available. Non-contributory pension and insurance scheme.—Write Box 2970, "The Builder."

TAKER-OFF, final standard, Required by London Chartered Quantity Surveyors, West Central district. Good salary and opportunities to widen experience. Holiday arrangements honoured.—Reply giving age, education, details of professional experience and salary required to Box 2969, "The Builder."

CHARTERED QUANTITY SURVEYOR (London, W.1) Requires competent TAKERS-OFF. Highest salary for suitable applicants. Varied and interesting contracts.—Write, stating age, experience and salary required, to Box 2972, "The Builder."

TAKER-OFF (permanent) Required in Reading Chartered Quantity Surveyors. Five-day week, pension scheme.—Apply, stating age, experience and salary required, to MAGER & GREENAWAY, 52 Castle-street, Reading.

TAKER-OFF (R.I.C.S. Final standard) Required by Southampton Chartered Quantity Surveyor. Five-day week, pension scheme.—Write stating experience, salary required, to Box 2958, "The Builder."

JUNIOR TAKER-OFF (R.I.C.S. Inter. standard) Required by Q.S. in Sussex. Five-day week, L.Vs.—Write stating age, experience and salary required, Box 2956, "The Builder."

WORKERS UP

WORKERS-UP Required by London firm of Chartered Quantity Surveyors. 5-day week. Paid holiday this year.—MERCER & MILLER, F./F.R.I.C.S., 10 Manchester-square, London, W.1. HUNter 0497.

WORKERS-UP Required by Holborn firm of Chartered Quantity Surveyors. Should have had about three years' experience in the profession. Salary will be in accordance with ability, with additional rate for overtime.—Reply, stating age, summary of experience, and salary requested, to Box 2837, "The Builder."

WORKER-UP Required by London Chartered Quantity Surveyors.—Please reply stating age, experience, and salary required to G. F. K. WHITE & HAYTON, F./F.R.I.C.S., 38-39 Parliament-street, S.W.1.

JUNIOR WORKER UP

Required for Q.S. Section of Industrial Company. Pensionable and free lunches. Opportunity for learning taking off and measuring on site at a later stage. Please reply, stating age, experience and salary to:

Chief Surveyor,
Wiggins, Teape & Co. Ltd.,
Gateway House,
1, Watling Street,
London, E.C.4.

WORKER-UP Required by firm of Quantity Surveyors, Westminster. Five-day week and Luncheon Vouchers. Good prospects and opportunities for the right man.—Apply stating age and experience to Box 980, "The Builder."

EXPERIENCED WORKER-UP Required by London Quantity Surveyors. Salary £750-£1,000 p.a. according to experience.—Write, giving full particulars of qualifications, and age, to Box 954, "The Builder."

SENIOR WORKER-UP for London Quantity Surveyors.—Write stating age, details of experience and salary required, to Box 953, "The Builder."

WORKERS-UP Required by London Chartered Quantity Surveyors for permanent staff.—Write stating age, experience and salary required to Box 905, "The Builder."

WORKER-UP Required by London Chartered Quantity Surveyors. High remuneration for good worker.—Please reply, in confidence, to Box 986, "The Builder."

EXPERIENCED WORKER-UP Required by firm of Chartered Quantity Surveyors in West End, London.—Reply stating experience, age, salary required to Box 931, "The Builder."

WORKERS-UP and intelligent **JUNIORS**, wishing to train for and qualify as Chartered Quantity Surveyors. Required in Bloomsbury Chartered Quantity Surveyor's Office. First-class working conditions, including Luncheon Vouchers, and opportunities for progressive training offered to suitable applicants.—Apply, stating age, experience, if any, academic background and salary required, to Box 971, "The Builder."

SENIOR WORKER-UP Required by Chartered Surveyors, Westminster.—State experience, age and salary required, Box 2582, "The Builder."

SENIOR WORKER-UP Required by City Quantity Surveyors. Permanent position. Commencing salary £750-£900 p.a. according to experience.—Write, with full details, to Box 2630, "The Builder."

WORKERS-UP Required by City Chartered Quantity Surveyors. Pension scheme, overtime, five-day week. State age, experience and salary required to Box 2731, "The Builder."

JUNIOR WORKER-UP Required, 5-day week.—Write stating age, experience and salary required to SYDNEY C. GORDON, Finsbury House, 22 Blomfield-street, London, E.C.2.

WORKERS-UP Required in Gray's Inn Quantity Surveyor's office. Permanent position with opportunities for rapid advancement.—Box 2752, "The Builder."

WORKER-UP Required by firm of Quantity Surveyors in Leicester. Progressive training with opportunities for site measuring. Five-day week.—Box 2742, "The Builder."

CHARTERED QUANTITY SURVEYORS Require experienced **WORKER-UP** in their Harlow, Essex, office. A good salary and house to rent would be available to suitable candidate who should have professional office experience. Interview in London if desired.—Box 2761, "The Builder."

WORKER-UP Required by Chartered Quantity Surveyors in Holborn. Age 20 to 25, with at least three years varied experience. Two weeks' holiday this Summer. Five-day week.—Reply, in longhand, giving particulars and salary required, to Box 2757, "The Builder."

CHARTERED Quantity Surveyors (near Victoria Station) have vacancy for experienced **WORKER-UP** anxious to start junior taking-off and site measuring. Luncheon vouchers. Five-day week.—Write full particulars to Box 2809, "The Builder."

WORKER-UP Required. Applicants should be experienced in abstracting and billing for re-measured and variation final accounts.—Please apply in writing stating age, experience and salary required to LAVENDER McMILLAN (CONTRS.), Ltd., 54 Cheam Common-road, Worcester-park, Surrey.

WORKERS-UP, with at least 3 years' experience. Required by medium size London firm of chartered quantity surveyors. 5-day week.—Please apply, stating age, experience and salary required, to Box 2897, "The Builder."

WORKER-UP for permanent position in London office of Chartered Quantity Surveyors. Pension scheme and L.V.s.—Please write, stating age, experience and salary required, to Box 2933, "The Builder."

WORKER-UP Required by Westminster Chartered Quantity Surveyors' office near Victoria; good opportunities. L.V.—Write, in own handwriting, stating age, experience and salary required, Box 2948, "The Builder."

WORKER-UP Required by Chartered Quantity Surveyors in West End for permanent staff. Five-day week. Luncheon vouchers; medium-size office. Two weeks holiday this year.—Write, giving full particulars of experience and salary required, to WOOD AND WEIR, 5 Wigmore-street, Cavendish-square, London, W.1.

SENIOR WORKER-UP Required by Chartered Quantity Surveyors in Leicester. Required to take charge of working-up department if experience warrants. Write, stating experience and salary required, to Box 2946, "The Builder."

WORKER-UP with at least three years' experience Required by Chartered Quantity Surveyor, near Trafalgar-square. Position offers good prospects and opportunity with variety of work.—Apply stating age, salary and experience, to Box 2973, "The Builder."

REQUIRED by Chartered Quantity Surveyors for East London district site office, competent WORKER-UP. Good prospects of measuring after twelve months to right man. Five-day week, hours 9-5.30, luncheon vouchers, fortnight's holiday. Permanent job, salary £54 per month. Overtime paid. This is an excellent opportunity for a young keen surveyor to gain experience.—Box 2965, "The Builder."

WORKER-UP for permanent staff in Holborn area by Chartered Quantity Surveyors. Good prospects of site measuring. Holiday arrangements honoured.—Apply Box 901, "The Builder."

ENGINEERS

ENGINEERING ASSISTANT Required having experience of civil engineering work carried out by local authorities and contractors. Salary scale £610/£765, plus "Weighting" of £10/£30. Commencing salary according to age, qualifications and experience.—Application forms from Borough Engineer and Surveyor, Poplar Town Hall, Bow-road, E.3. Closing date, first post 16th May, 1960.

CIVIL ENGINEERING

There is a vacancy in the Roads and Sewers Department of our Homes Division for a Civil Engineer (Graduate preferred).

This position will suit an active young man who wants to join a cheerful but determined team engaged in building well designed homes and the attendant estate works as quickly as possible.

This Company's outlook is extremely progressive, providing excellent scope for advancement. Homes Division is a very virile part of the Group.

We offer a generous salary, firm's car and, if necessary, assistance in accommodation. The job is, of course, pensionable.

If you are interested, apply to me personally, in writing.

Roy Davies,
Director,
C. Bryant & Son Ltd.,
Small Heath,
Birmingham, 10.

PLANT ENGINEER Required by old-established Building and Civil Engineering Contractors in South-West. Applicants must have had similar previous experience and be capable of organising and controlling the maintenance, repair, erection and movement of modern Diesel and electrical plant, including Tower Cranes. The position is permanent and pensionable.—Apply stating age, details of previous experience and salary required to Box 2796, "The Builder."

WORKS STUDY ENGINEER Required, preferably with experience in the building industry.—Reply in writing stating age, qualifications and details of experience, etc., to M. J. GLEESON (CONTRACTORS) Ltd., Harefdon House, London-road, North Cheam, Surrey.

SITE ENGINEER

reqd. for setting out, levelling & general site work by a large South West London firm of Building & Civil Engineering Contractors. The position offered is a permanent one and a good salary will be paid to the candidate selected. Please write giving age, experience and present salary to Box 995 c/o Geo. Murray (Advg.) Ltd., Columbia Hse., Aldwych, W.C.2.

TOWER CRANE SALES ENGINEER, with first-class connection and sales record. Knowledge of building construction would be an asset. Good prospects for energetic and conscientious person.—Apply, CLIMBING CRANES, LTD., 52/4, High Holborn, London, W.C.1. Telephone HOLborn 0131/2.

RESIDENT ENGINEER (A.M.I.Struct.E.) Required immediately for block of multi-storey flats for Portsmouth Corporation. To supervise foundations (piling) and erection of precast and prestressed frame and cladding. Approximately 10 months but possibility of extension. Salary £1,000 p.a.—Apply in writing stating age, qualifications and experience to FELIX J. SAMUELY AND PARTNERS 231-233 Gower-street, N.W.1.

W. & C. FRENCH Ltd. urgently Require experienced ENGINEERS, preferably qualified, for Building and Civil Engineering contracts in the Home Counties. Good prospects for suitable applicants.—Apply, in writing, stating age, experience and salary required, to Personnel Manager, 50, Epping New-road, Buckhurst-hill, Essex, quoting reference number 167.

CUBITTS

Applications are invited from suitably qualified men for employment in the

PLANNING SECTION

of the Company's main Building Department.

The work includes detailed time and method operational planning and budgetary control of expenditure on labour, plant and materials. The appointments offer excellent opportunities in a progressive organisation to men seeking advancement. Superannuation and other staff benefit schemes are in operation.

Full details of training and experience should be sent to:—

The Personnel Manager (B.5466)
No. 1 Queen Anne's Gate,
London, S.W.1.

ROAD AND BRIDGE WORK

National Civil Engineering Contractor has large Contracts in Midlands area and invites applications from the following grades of Staff possessing experience with such work:

Setting out Engineers
General Foremen
Office Managers
Site clerk/Timekeepers
Gangers

Apply stating experience and salary required to **Box No. 2920**

ESTIMATORS

JUNIOR ESTIMATOR REQUIRED in a small West End contractor's office. Interesting and varied work with ample opportunity for advancement in a growing business. Applicants should be between 25 and 30 years of age. Salary dependent upon qualifications.—Telephone WELbeck 5432.

ESTIMATORS SHOP FITTING Required. Experience of first-class workmanship. Excellent prospects for the right men.—Apply stating qualifications, Box 2708, "The Builder."

ESTIMATOR Required by Builder, Beckenham. Must be capable man used to tendering for general building works. Sound position for sound man.—Box 925, "The Builder."

ESTIMATORS AND ASSISTANT ESTIMATORS Required for medium-sized Builders in East London, competent to deal with all types of work between £2,000-£50,000. Good opportunity for advancement. Bonus and Pension Schemes in operation.—Write stating age, experience and salary required, to Box 2553, "The Builder."

ESTIMATOR-SURVEYOR Required, able to take-off own quantities from drawings, prepare estimates and supervise jobs of varied kinds; in general works department of KILLBY & GAYFORD, Ltd., 87 Worship-street, E.C.2.—Write Secretary with full details of age, experience and salary.

JUNIOR ESTIMATOR SURVEYOR Required.—Reply stating age, experience and salary required to WILLIAM WILLETT (BUILDERS & DECORATORS), Ltd., Sloane-square, W.1.

ASSISTANT ESTIMATOR AND SUPERVISOR required by Decorative Contractors, engaged in wide range of commercial painting works and decorative Contracts. Must have first-class practical experience in all branches of the trade, knowledge of traditional and modern colour schemes, able to drive and keen to accept executive responsibility in the future. Age not over 35. Company's Offices situated in S.E. London.—Write immediately with personal details, Box 2715 "The Builder."

BUILDERS ESTIMATING CLERK Required, used to alterations, decorations and general jobbing. Able to prepare final accounts and assist in office, S.W.15 district.—Write, stating experience and salary required, Box 2716 "The Builder."

ESTIMATOR Required by Building Contractor in Victoria. Must be fully experienced to price all types of work up to £150,000. Five-day week, permanent position, pension scheme.—Apply, stating age, qualifications, experience and salary expected, to Box 2765, "The Builder."

ESTIMATOR Required for Small Works Department. Must be fully experienced in Site Measurement all Trades, taking-off and pricing from Drawings and Specifications and preparing Interim Certificates and Final Accounts.—Apply in writing, stating age, experience and salary required, to GRACE & MARSH Ltd., New Bridge Works, Waddon, Croydon.

ESTIMATOR/SURVEYOR Required by West London Building Contractors, must be fully experienced in estimating for varied contracts up to £150,000.—Write giving full particulars of age, experience and salary required to Box 2803, "The Builder."

ESTIMATOR, experienced in pricing conversions, alteration and maintenance works, Required for medium-sized builders in Paddington. Permanent position and good prospects consequent upon a policy of orderly expansion.—Apply stating age, experience and salary required, to Box 949, "The Builder."

LESLIE & CO LTD

require in London Office

ESTIMATOR

Due to an expansion programme the Company require a young Estimator who has a good knowledge of building construction and experience in estimating for smaller contracts. This position offers opportunity for a keen person to expand his ability by being trained to estimate for major contracts using his own initiative and working under minimum supervision.

The Company operates on a large scale throughout the country and has Branch Offices in Scotland, Northern England, Midlands and the South. This post carries an attractive salary, good annual bonus and non-contributory pension scheme.

Apply in confidence to the **Chief Estimator, Peel Street, Kensington, London, W.8.**

ESTIMATOR/ SUPERVISOR

required for Small Works Department of West End Builders specialising in good class alterations and decorations. Contracts up to £15,000.

Write, stating age, experience and salary to

Box 2490, " The Builder "

COMPACTOM LTD.

Partitioning and Acoustic Ceiling Specialists
OXGATE LANE, CRICKLEWOOD, N.W.2.

This expanding Organisation offers permanent appointments with good prospects for the following:—

ESTIMATORS

With joinery or acoustic ceiling estimating experience.

DRAUGHTSMEN

Used to scale drawings. Joinery or Shopfitting experience an advantage.

Write stating experience, age and salary required or phone GLAdstone 6633. Mr. Bond (Estimators) or Mr. Pyne (Draughtsmen)

ASSISTANT ESTIMATOR Required by old-established firm of Quantity Surveyors (close Victoria Station). Five-day week, overtime extra.—Reply in own handwriting stating experience, age and salary required, to Box 2864, " The Builder."

ESTIMATOR Required for large London Painting Contractors. Good prospects. Pension scheme and car provided. Write giving experience and salary required.—Box 2870, " The Builder."

ASSISTANT ESTIMATOR (age about 25) Required for all types of contracts. Applicants should be of H.N.C. Standard.—Apply, giving full details of age, experience and salary required, to GALBRAITH BROS., Ltd., Crayford Bridge, Crayford, Kent.

ESTIMATOR Required for Building Contractor's office for pricing general building work £20,000-£500,000 in the Southern half of England from head office in London, S.W.16.—Reply stating age, experience and salary required, to Box 2891, " The Builder."

JOINERY ESTIMATOR for factory in N.W. London, non-contributory pension scheme, canteen facilities. —Details of past experience, present salary, age and copy references, to Box 2875, " The Builder."

ESTIMATOR—Joinery and Shopfitting work. Profit-sharing, non-contributory Pension scheme after suitable period.—JAMES WALKER (ARCHITECTURAL DECORATORS) Ltd., 15/17 Brunel-road, East Acton, W.3.

ESTIMATOR to take charge of all estimating for small works department of large progressive Building Contractors in Devon. Permanent, pensionable position with good salary to the successful applicant. Profit-sharing scheme operating.—Apply to the Managing Director, STAVERTON CONTRACTORS Ltd., Staverton, Totnes, Devon.

BUILDING ESTIMATOR Required for large City Quantity Surveying firm. Age 30/35. Must be experienced in negotiation. Salary £1,200 per annum, plus overtime.—Box 2939, " The Builder."

ESTIMATOR/SURVEYOR Required, with good all-round experience and capable of working on own initiative. West London area.—Apply, with brief details, Box 2917, " The Builder."

BUILDING ESTIMATOR Required for interesting and varied tendering for contracts over a wide range of price. Knowledge of modern methods of construction essential. The position is permanent and carries a substantial salary and bonus. Entry into the Company's Superannuation Scheme will be arranged at the end of twelve months' service. —Applicants should write stating age, qualifications, experience to date, etc., to the Chief Estimator, THE MITCHELL CONSTRUCTION COMPANY Ltd., Wharf Works, Peterborough, where applications will be treated in the strictest confidence.

PAINTING CONTRACTORS

require

ESTIMATOR

Large and well established Painting Contractors in North West London area require experienced and energetic Estimator used to industrial work and who has the desire and ability to progress. Age 25/40 preferred. Excellent salary according to experience, plus twice annual bonus on results. Company car supplied and personal use allowed. Present holiday arrangements will be honoured. Applications, which should give full details of past experience, will be treated in strict confidence. Replies to:

Box No. 2838, "The Builder"

ESTIMATOR/SURVEYOR

with up-to-date knowledge of present day competitive tendering in the London area required by well known London contractors. Permanent and pensionable position for suitable applicant.

Apply in confidence, giving details of age, past experience, and salary required to Box No. E.S. 3307.

A. K. Advtg., 212a Shaftesbury Ave., W.C.2.

PAINTING SUPERVISOR/ESTIMATOR

(Age 30/35)

For West End work. Practical man, able to work on own initiative.

Position offers good salary and annual bonus on results. Free Pension Scheme.

Box No. 2916, "The Builder"

CHIEF ESTIMATOR SURVEYOR

required to deal with contracts ranging from £20,000 to £200,000 from enquiry to final account. Applicants must have good all-round experience in all types of work and be used to supervising contracts. Apply giving full details of age, experience, references and salary required to

E. C. Hughes Ltd.,
Albion Works,
Wokingham, Berks.

SENIOR ESTIMATOR

Required by Building Contractors. Experienced in all types of construction, permanent and progressive position, good salary, pension scheme. Apply, in writing, giving details of age, experience and salary required, to: Managing Director, A. E. SYMES, Ltd., 236-252, High Street, Stratford, London, E.15.

ESTIMATOR Required in Borough Engineer and Surveyor's Department, Metropolitan Borough of Stoke Newington. Salary range £880-£1,065 plus L.W., according to qualifications and experience. N.J.C. conditions. Candidates should be capable of measuring builders' work in progress, bonusing, estimating and costing. Housing accommodation not provided.—Applications, in writing, stating age, present and previous positions, experience, etc., to Town Clerk, Town Hall, Stoke Newington Church-street, N.16, by Monday, 23rd May.

OLD-ESTABLISHED BUILDERS, Hampshire/Surrey border, Require ESTIMATOR & SURVEYOR, used to high-class work; able to price all trades; must be a good organiser and capable of dealing with work from inquiry to final account. House available to satisfactory applicant.—Apply, giving age, full particulars of experience, references and salary required, Box 2927, " The Builder."

MANAGERS

MASTIC ASPHALT COMPANY, N.W. Area, Requires ASSISTANT MANAGER. Applicants should be capable of eventually controlling this Department and should be experienced in estimating for all classes of Mastic Asphalt work. Should be established with the Architectural Profession and capable of organising Labour and will be required to show proof of considerable experience in the Mastic Asphalt industry. Superannuation and Insurance Schemes in operation.—Please give full particulars (in confidence), stating age, experience, salary required, etc., to Managing Director, Box 2839, "The Builder."

W. & C. FRENCH Ltd. Require SITE BUILDING MANAGER for large L.C.C. Housing Contract, Houghton Regis, near Dunstable, Bedfordshire, to work under supervision of Agent.—Apply in writing, stating age, experience and salary required, to Personnel Manager, 50 Epping New-road, Buckhurst Hill, Essex, quoting reference number 465.

ASSISTANT Required to Manager of West Middlesex Building and Decorating Company, able to estimate for small works and decorating, and organise and run contracts. Car driver preferred. Only those with experience need apply.—Box 2852, "The Builder."

EXPORT. A Company marketing specialised building materials has a vacancy for an EXECUTIVE with a first-class knowledge of building construction and experience in export sales promotion. Normally based in London occasional overseas travel.—Write Managing Director, Box Z.K.263, DEACONS ADVERTISING, 36 Leadenhall-street, E.C.3.

BUILDING MANAGER

Assistant to Building Manager required by Mowlem (Scotland) Ltd., on a Nuclear Generating Station contract in Ayrshire.

Applicants should have had several years' site experience in similar capacity dealing with sub-contractors and interpretation of specifications and drawings, an H.N.C. or L.I.O.B. qualification would be an advantage but not essential.

Salary in accordance with age and experience, a subsistance allowance will be paid where applicable, and an invitation to the company's superannuation scheme will follow after a probationary period.

Write giving full particulars to:

The Agent,
MOWLEM (SCOTLAND) LTD.,
Hunterston Nuclear Generating Station,
West Kilbride, Ayrshire.

Experienced WORKS MANAGER

required by well-known London contractors in their small but highly mechanised Joinery Works. Only those applicants who have had the fullest experience in estimating for all types of joinery handled in the industry, and who are thoroughly conversant with modern methods of management, progressing, incentive schemes, etc., should apply, in strict confidence, to the Managing Director,

Box No. 2787, "The Builder".

CONTRACTS MANAGER

required for well-established and expanding firm of London Contractors. Must be experienced in the control of a group of contracts ranging in value from about £10,000 to £200,000. Experience as builders surveyor essential. It is intended that this important position will be progressive, permanent and pensionable. An experienced assistant contracts manager might be considered with a view to promotion after proving period. Only candidates of first-class ability and good bearing should apply. Existing holiday commitments would be accepted. Apply in writing, stating age and experience to COURTNEY & FAIRBAIRN LTD., 377, Albany Road, Camberwell, S.E.5.

JOINERY MANAGER

required for building contractor's joinery works at Ilford, Essex. Full control—estimating — costing — production. Apply stating age, experience and salary required to

DANIEL T. JACKSON LTD.,
PEGASUS WORKS,
ROEBUCK ROAD,
ILFORD, ESSEX.

MANAGER. A firm of National Contractors operating in the S.W.1 area Require a thoroughly competent MANAGER to take charge of their Shuttering and Formwork Section.—Write, in first instance, giving fullest particulars, to The Managing Director, Box 2833, "The Builder."

ARCHITECTURAL MATERIALS. Director, Marketing Company, Requires YOUNG ASSISTANT to meet Architects, etc., in London area and to deal with office enquiries. Exceptional scope for right type.—Box 2921, "The Builder."

GENERAL MANAGER to supervise all outside work for progressive Building Contractors in West Sussex. Must have knowledge of all trades. Salary in region of £1,500 p.a.—Write to Box 2884, "The Builder."

WOODWORKING PRODUCTION MANAGER

An excellent opportunity for a first class man aged between 40–50 years to manage the production of woodworking over the three categories (a) Constructional shop-fronts and interiors, (b) Contract furniture and (c) Point of sale display units. This position, which commands a high salary, is offered only to a fully experienced man who would prove masterly at co-ordinating the production of all items under one roof. Brief details in the first instance in writing to:—

The Managing Director,
City Industrial Limited,
Farringdon Station Chambers, E.C.1.
Factory at Finsbury Park, N.4.

ASSISTANT MANAGER

required for West Middlesex Branch of London Contractors. Specialising in alterations and decorations. Must be able to estimate and supervise contracts and work on own initiative.

Car driver preferred. Write stating age, experience and salary required to

Box No. 2944

BUILDING MANAGER

required for South Western building and civil engineering contractors. Age 35–45, applicants will be responsible to the Managing Director for all building work which includes contracts, small works and private enterprise housing. Applicant should also have a working knowledge of modern management techniques such as planning, work study, etc. and be able to control estimating on contract work. The person successfully carrying this position would be considered for a directorship. Assistance with housing could be arranged, if necessary. Write stating age, qualifications, experience and salary required to

B.A.S. (D7),
82, New Cavendish St., London, W.1.

CONSTRUCTION MANAGER

Applications are invited for the post of Construction Manager by a firm of Building Contractors in the London Area. The successful applicant will be responsible to the Managing Director for the planning direction and control of all construction work.

Applicants should be within the age group 35/45 and must have experience within the building industry of the control and direction of large contracts. Previous experience in a senior managerial post is essential. The commencing salary is within the range of £2,000 to £2,500 and a pension scheme is in operation.

Applications in writing giving full details of experience, qualifications, and positions held should be forwarded to URWICK, ORR & PARTNERS, LTD., who have been asked to advise on this appointment, at URWICK HOUSE, 14, Hobart Place, London, S.W.1, quoting reference TRM/1399 on the envelope.

A MANAGER for acoustic and thermal ceiling fixing organisation. Candidates must have long technical experience and be fully conversant with estimating, draughtsmanship and onsite supervision. A wide connection with architects and contractors is necessary. Rewarding salary, expenses and commission.—Box 2922, "The Builder."

CONTRACTS MANAGER or **SUPERVISOR** Required S. London for contracts £5,000 to £50,000. Must be widely competent and hard working. Progressive, pensionable job.—Details of age, experience and salary expected, to Box 2935, "The Builder."

DIRECTOR of Building Company specialising in private work requires PERSONAL ASSISTANT whose experience should enable him to deal with all sides of the building profession. Excellent prospects in congenial surroundings in North Cotswold area for right person with drive, initiative and enthusiasm. Car provided, also Pension scheme in operation. Write stating age, qualifications and salary required.—Box 2925, "The Builder."

SMALL WORKS MANAGER

age 35–45 is required for a building company in N. Herts. Adequate trade knowledge and experience, able to take measurements and prepare small estimates. The successful applicant will be an organiser who can plan and carry out successfully, the work of a fairly large jobbing force, but at the same time able to inspire the liking and confidence of the firm's clients.

A car would be provided and cover given by the firm's pension scheme after a probationary period. Assistance with housing.

Write stating full details of age, qualifications, and experience and salary required to

B.A.S. (F.20),
82, New Cavendish St., London, W.1.

CLERKS OF WORKS

CLERK OF WORKS Required by Industrial Consultants for multi-storey reinforced concrete city building. Permanent position. Non-contributory superannuation. Salary by arrangement.—Apply to The Architect, PRODUCTION-ENGINEERING Ltd., Park House, Wick-road, Egham, Surrey. Ref. K.P.2.

CLERK OF WORKS Required to supervise and control several contracts of a commercial nature in the West Country. Must be first-class man able to control and organise. Car advantage but not necessary. Contracts likely to last 2 years or more.—Apply, in writing, giving age, experience and salary required, to Employment Officer, W. H. SMITH & SON, Ltd., Strand House, Portugal-street, London, W.C.2.

CLERK OF WORKS/RESIDENT ENGINEER. Required for 400,000 sq. ft. factory project, Offlinham, Kent. Contract expected to extend from June, 1960, to April, 1961. This post calls for a first-class man with wide experience in building.—Write stating age, experience and salary required, to FARMER AND DARK, Chartered Architects, Romney House, Tufton-street, S.W.1. (Tel.: ABBey 6311.)

Formerly the Incorporated Clerk of Works Association of Great Britain

FOUNDED 1892

THE

INSTITUTE'S EXAMINATIONS

will be held 24th–28th May, 1960 in London, Edinburgh, Belfast and Manchester.

Forms of entry from The Secretary, Liverpool House, 15/17 Eldon Street, E.C.2.

ASSISTANT CLERK OF WORKS Required for 400,000 sq. ft. factory project Gillingham, Kent. Contract expected to extend from June, 1960, to April, 1961.—Write stating age, experience and salary required to FARMER AND DARK, Chartered Architects, Romney House, Tufton-street, S.W.1. (Tel.: ABBey 6311.)

CLERK OF WORKS Required for 54 Flats for the Isle of Dogs Housing Society at Pier-street, London, E.14.—Write stating age, experience and salary required to: LOUIS DE SOISSONS, PEACOCK, HODGES AND ROBERTSON, 3 Park Square Mews, Upper Harley-street, London, N.W.1.

ARCHITECT'S Office in City Requires CLERK OF WORKS for supervision of new work, also alterations and maintenance. Should not be more than 45 years old and preference given to men qualified as M.I.C.W.—Write stating experience, age and salary required.—Box 2900, "The Builder."

CLERK OF WORKS

required for the extension and reconstruction of an important retail shop building in Taunton, Somerset. Probable duration of contract 2½ years.

Only men experienced in substantial size contracts, including heavy foundation works, reinforced concrete, and structural alterations should apply.

Please state age, experience and salary required.

George Baines & Syborn, A.R.I.B.A.,
121, Victoria Street,
Westminster, London, S.W.1.

BUYERS

TECHNICAL ASSISTANT Required for Buying Department. Age up to 22.—BOVIS Ltd., 1 Stanhope-gate, W.1. Grosvenor 8830.

REPRESENTATIVES

ROBERTS ADLARD & CO., Ltd., Require for the London Area a REPRESENTATIVE having an existing connection with Architects and Surveyors and a specialised knowledge in some or all of the following: Slating, tiling, asbestos and aluminium roofing, over and under purlin linings.—State age, qualifications and salary required, to Secretary, Tweedy-road, Bromley, Kent.

CHEMICAL PRODUCTS FOR THE BUILDING TRADE. Old-established Manufacturers adopting expanding sales policy offer SOLE REPRESENTATION on excellent commission terms to live Sales Agents operating in either the Norwich area or Manchester and district.—Write fully to Box 2758, "The Builder."

REPRESENTATIVE Required by old-established Company of Drawing Office materials and Equipment Suppliers for West End and Westminster area. Age 25 to 45. Active contacts with Architects and Consulting Engineers.—Applications in writing to Sales Director, ENTWISTLE THORPE & CO., Ltd., 21/23 Eagle-street, London, W.C.1.

AUSTINS OF EAST HAM LIMITED
LONDON, E.6

require

ASSISTANT REPRESENTATIVES

Many young men who have gained experience in the Building Trade and who possess initiative and drive feel that their ambitions can only be satisfied by making selling their career.

Appointments are now offered to such men to join the rapidly expanding sales organisation of Austins of East Ham Limited, selling Standard Wood Windows, Doors and Kitchen Units.

After initial training the Company will provide a car and pay all reasonable travelling expenses. Superannuation Scheme in existence.

Write in confidence to the Sales Director, with full details of career and salary required.

CELCON Ltd.

Lightweight Concrete manufacturers, require Sales Representative to operate from their Head Office in London.

Previous sales experience in the Building Industry essential.

Age between 25 to 35 years; car provided.

Salary according to experience.

Applications to:

E. R. R. Mengham,
General Sales Manager,
CELCON LTD.,
Universal House,
60, Buckingham Palace Road,
LONDON, S.W.1.

EXPERIENCED REPRESENTATIVES,

Already calling on woodworking trades and large timber users, required in various areas to sell established line, with large and rapidly expanding potential, of heavy duty fastening equipment, including consumable fasteners. Exclusive territory and generous commission terms offered. State age, experience, territory covered to

Box 947, "The Builder".

Experienced

PRE-CAST CONCRETE SALESMAN

urgently required to cover South London and Home Counties. This is an excellent opportunity for a first class man not over 40 years of age versed in all aspects of the industry and is a position which could lead to sales managership.

Box 2879

BUILDERS ASSISTANTS

REQUIRED by well-known London contractor, a TECHNICAL ASSISTANT to investigate and report on new developments in plant, materials and new techniques in building. Essential qualities: a capacity for hard work, and sound knowledge of building materials.—Reply giving past experience and salary required to Box 2740, "The Builder."

ASSISTANT Required for small Contractors N. London. Suitable for young man studying for L.I.O.B. or H.N.C. with some experience quantities, drawing, etc., to assist generally in estimating and running contracts up to about £20,000.—Reply giving full particulars to Box 2869.

ASSISTANT Required by Specialist Contractors at South Croydon to prepare layout drawings and arrange materials for contracts. Experience in this field, or knowledge of building desirable. Good opportunity for young man 18-23 years. Write for interview.—Box 2936, "The Builder."

BUILDER'S ASSISTANT, 22/30 years of age, Required for varied and interesting work, including taking-off, site measuring, estimating, bonusing, planning, final accounts. London area.—Box 2955, "The Builder."

PLANNING ASSISTANT

required

The position carries a good salary plus bonus and is superannuable. Applicants should have sound knowledge of surveying and some estimating experience and be interested in programming and planning in all aspects. Apply in writing to:

A. E. A. PROWTING LTD.,
Bury Street,
Ruislip,
Middx.

AGENTS

AGENT/GENERAL FOREMEN Required. Applications invited from first-class men.—Write giving full details of past experience and salary, etc., to Ref. R.J.W., PERCY BILTON Ltd., Bilton House, Ealing, W.5.

CUBITTS

AGENTS AND GENERAL FOREMEN

required. Experienced in medium and large constructional works, including multi-storey and reinforced concrete construction.

These vacancies offer immediate responsibility (with appropriate rewards) and good future prospects in a rapidly expanding section of the Company.

Applicants are invited to write giving age, full particulars of training, qualifications, experience, and salary expected.

All applications will be treated in the strictest confidence.

Personnel Manager (BJ5470),
HOLLAND & HANNEN AND CUBITTS (GREAT BRITAIN) LTD.,
1, Queen Anne's Gate,
LONDON, S.W.1

SITE AGENTS

Applications are invited from AGENTS fully experienced in carrying out large building contracts of reinforced concrete construction. Write in confidence, stating age, experience and salary required to:

Personnel Manager,
FORD & WALTON,
Walton House, Warton Road,
London, E.15

CONTRACTOR'S AGENT Required for the construction of a private estate of about 80 houses in South Devon over a period of about 2 years.—Reply stating age, experience and salary required, to Box 2892, "The Builder."

ROAD AND BRIDGE WORK

CIVIL ENGINEERING AGENT

Required by National Civil Engineering Contractor for large contract in Midlands area. Aged 30—40 years with recent experience of reinforced concrete construction and administration of large Contracts. Generous salary, bonus and pension scheme, car provided. Apply stating qualifications and experience to **Box No. 2919**

CIVIL ENGINEERS

Vacancies exist on major Civil Engineering and Industrial Building Projects for experienced

AGENTS AND SUB-AGENTS SENIOR AND JUNIOR ASSISTANTS
FOR PLANNING AND SITE WORK

Positions are available in various locations throughout Great Britain which offer excellent prospects and opportunity for permanency and promotion. Pension Scheme and Life Insurance.

Apply in confidence giving age, details of education, training, qualifications and experience with indication of salary required to:—

Personnel Manager,
ROBERT M. DOUGLAS (Contractors) LTD.,
395, GEORGE ROAD, ERDINGTON, BIRMINGHAM 23

KYLE, STEWART (CONTRACTORS) LTD.,

require

AGENTS AND GENERAL FOREMEN

in London and Home Counties for contracts between £100,000 and £500,000 in value.

Must be experienced in all aspects of the trade, possess drive and initiative and up to date knowledge of mechanical plant management.

Participation in Company's Bonus and Pension Schemes. Salary four figures offered to successful applicants who will have opportunity for advancement to the position of Contracts Manager.

Apply in writing, stating experience and salary required to

Managing Director,
Kyle, Stewart (Contractors) Ltd.,
Ardshiel House,
Empire Way, Wembley, Middlesex

SUPERVISOR

Leading firm of Building Contractors have vacancy for a suitable man able to estimate for and deal with small jobbing and maintenance work in the London area. Permanent and pensionable position with good prospects.

Applications giving full details of age, experience and salary required to Box No. SS. 3309., A. K. Advtg., 212a Shaftesbury Ave., W.C.2.

WM. AIREY & SON (LEEDS) LTD.
GENERAL FOREMEN

General Foremen are required who have been craft trained and have had experience on major industrial projects and of controlling sites of value up to £250,000. Sites to be controlled are all in the Leeds and W. R. Area.

The Company has an attractive salary policy, and a contract of employment will be offered to the successful candidates, together with a salary commensurate with the knowledge and experience offered.

Apply to:
Wm. AIREY & SON (Leeds) LTD.
Eldon House, Woodhouse Lane, Leeds 2

FOREMEN & SUPERVISORS

REQUIRED immediately, top grade GENERAL FOREMAN for multi-storey block of flats S.E. coast. Must be capable of taking complete charge. Good prospects to right man.—Box 2840, "The Builder."

GENERAL FOREMAN Required for private Building Estate in Sunbury area.—Write giving full details of experience, age and salary required, to GENERAL HOUSING CO., Ltd., Cavendish House, 57/59 Uxbridge-road, Ealing, W.5.

GENERAL FOREMAN Required immediately for Flats Contract in Reading. Must be good organiser able to handle sub-contract and own labour.—Apply giving full particulars of age, experience and salary required to FRANCIS BROS. Ltd., 11 Armour-road, Tilehurst, Reading, Berks.

FOREMAN Required, small Extension Contract to Existing School, Feltham area.—Write full details, age, experience, trade, salary required, to Box 2651, "The Builder."

ASSISTANT FOREMAN Required in Bristol area.—Write giving qualifications and salary required, Box 2677, "The Builder."

GENERAL FOREMAN Required for new Public House contract at Swanley, Kent.—Apply in writing RICHARDSON, Herbert House, Slade Green, Erith, Kent.

THOMAS LOWE & SONS. Ltd., of Curzon Street, Burton-on-Trent, have a vacancy for a General Foreman capable of taking charge of building contracts in the Birmingham area up to a value of £200,000. —Applications should be submitted in writing stating age, experience and salary required.

WORKS SUPERVISOR Required to undertake control of jobs for small West End Builders. Must be thoroughly conversant with all trades, particularly joinery.—Write stating age, experience and salary required. Box 2718, "The Builder."

GENERAL FOREMAN Required, Manchester area initially, but must be willing to travel. Must be fully experienced. Permanent and pensionable post. —Write full details of age, experience and salary required, Box 2759, "The Builder."

WORKING GENERAL FOREMAN wanted for school extension in W. Sussex.—Write, full details, to Box 2802, "The Builder."

GENERAL FOREMAN Required for £20,000 shopping development Blackheath.—Send details of experience and salary required, to Box 2805, "The Builder.

EXPERIENCED GENERAL FOREMAN Required for a large municipal housing and flat contract at Maidstone.—Apply, RICHARDSON, Herbert House, Slade Green, Erith, Kent.

EXPERIENCED GENERAL FOREMAN Required for a large municipal flat contract in East Ham.—Apply, in writing, RICHARDSON, Herbert House, Slade Green, Erith, Kent.

GENERAL FOREMAN Required for medium size contracts at Highgate and East Barnet areas.—Write, stating qualifications and salary required, to A. SCOTT & SONS (LONDON), Ltd., Charles Lamb Institute, Church-street, Edmonton, N.9.

GENERAL FOREMAN Required for medium size contract in East London. Applicants should have good general experience, including new work as distinct from alterations. Opportunity exists to become member of permanent staff.—Write, stating age, experience and salary required, to HAMMOND & MILES, Ltd., Scrafton-road Works, Ilford.

WORKING FOREMAN, Bricklayer or Carpenter, used to shoring, for £7,000 contract at Clapham. State age, experience and salary.—Box 2851, "The Builder."

W. & C. FRENCH Ltd. urgently Require GENERAL FOREMEN capable of taking charge of large housing contract with phasing programme of 15 houses per week. Applicants who have not had experience of large type contracts should not apply.—Apply in writing, stating age, experience and salary required, to Personnel Manager, 50 Epping New-road, Buckhurst Hill, Essex, quoting reference number 324.

WORKING GENERAL FOREMAN wanted for Church in Surrey, approximately £40,000.—Write full details to Box 2855, "The Builder."

BUILDER'S GENERAL FOREMAN Required for contract in Watford.—Apply Box 2872, "The Builder."

GENERAL FOREMEN Required on housing estates in Surrey and Middlesex. Good prospects for right men.—Applications in writing to M. J. GLEESON (CONTRACTORS) Ltd., Haredon House, London-road, North Cheam, Surrey, giving full details past experience, etc.

BUILDER'S WORKING FOREMAN Required by progressive Company, Romford area. Experienced in taking charge of all trades—new work and alterations.—Write stating age, experience, salary required.—Box 2873, "The Builder."

GENERAL FOREMAN Required by small works department of HIGGS & HILL Ltd. Used to alterations and conversions up to £20,000. C. & J. preferred.—Write with details of experience and salary required to the Secretary, Crown Works, South Lambeth-road, London, S.W.8.

BOGNOR REGIS
SENIOR GENERAL FOREMAN

for high class housing estate commencing 30th May, 1960. Must be thoroughly competent to set out and supervise construction of estate roads and sewers and domestic dwellings, and capable of dealing with Sub-contractors. Long term contract spread over several years with permanent pensionable position offered after probationary period. High salary and bonus paid for right results.

Write stating age, full details of experience, and salary, etc., to

A. E. A. PROWTING LTD.
Bury Street, Ruislip, Middx.

SUPERVISOR
for
SMALL WORKS

Walter Lilly & Co. Ltd., invite applications for the above position. Applicants must be fully experienced in alterations, conversions, jobbing and decorations. Permanent and pensionable position and bonus. Apply with full details of experience, training, salary required, etc., to:—

The Director,
8 St. Ann's Street,
Westminster, S.W.1.

GENERAL FOREMAN Required for large housing site starting in Stroud middle of the year. This is a staff appointment and the person appointed will be eligible to join Superannuation Scheme after a short trial period.—Box 2882, "The Builder."

GENERAL FOREMAN Required at once to take over large W.D. contract between Gloucester and Newport. The contract is one of urgency and requires experience in handling large contracts to a strict time schedule. This is a staff appointment and the person appointed will be eligible to join Superannuation scheme after a short trial period. —Apply Box 2883, "The Builder."

CONTRACTS SUPERVISOR Required for suspended ceiling work, by a leading firm of manufacturers and specialist contractors. Prospects are good and a car is provided.—Box 2877, "The Builder."

WELWYN GARDEN CITY
SENIOR GENERAL FOREMAN

for high class housing estate commencing 30th May, 1960. Must be thoroughly competent to set out and supervise construction of estate roads and sewers and domestic dwellings and capable of dealing with sub-contractors. Two years' contract with permanent pensionable position offered after probationary period. High salary and bonus paid for right results.

Write stating age, full details of experience, and salary, etc., to:

A. E. A. PROWTING LTD.
Bury Street, Ruislip, Middx.

CIVIL ENGINEERING and BUILDING

Vacancies exist on major Civil Engineering and Industrial Building Projects for experienced

GENERAL FOREMEN.
TRADES FOREMEN.
GANGERS.
WAGES and COST CLERKS.
FOREMEN SITE FITTERS.
SITE FITTERS.
CASHIERS and OFFICE MANAGERS.

Positions available in Midlands and various parts of Great Britain offering good prospects.
Apply stating age, training, experience, and indication of wages required to :—

ROBERT M. DOUGLAS (Contractors) LTD.,
395, George Road, Erdington, Birmingham 23.

GENERAL FOREMEN

required as follows :—

1. **R.C. framed Office Building in Soho, W.1. (£70,000).**
2. **Industrial Building, Elstree, Herts (£70,000).**

Following successful completion of contract, permanent pensionable posts offered.

Telephone:
McLAUGHLIN & HARVEY, LTD., CANNONBURY 2476 for appointment.

WORTHING

SENIOR GENERAL FOREMAN

for high class housing estate commencing immediately. Must be thoroughly competent to set out and supervise construction of estate roads and sewers and domestic dwellings and capable of dealing with sub-contractors. Two years' contract with permanent pensionable position offered after probationary period. High salary and bonus paid for right results. Write stating age, full details of experience, and salary, etc., to:

A. E. A. PROWTING LTD.

Bury Street, Ruislip, Middx.

GENERAL FOREMAN, fully experienced for housing and flat developments North London area. State age and qualifications.—Box 2903, "The Builder."

EXPERIENCED GENERAL FOREMAN to supervise high-class finishing trades on London contract in South Kensington. Good salary and bonus.—Apply Box 2901, "The Builder."

ASSISTANT GENERAL FOREMAN Required for Municipal flat contract East London.—Write stating age, trade particulars of previous employment and wage required, JERRAM, Sandford Works, E.6.

PROPERTY MAINTENANCE SUPERVISOR Required for large modern Departmental Store in the North London area. Applicants must be experienced in all branches of property repair and maintenance and have a working knowledge of engineering plant, services and equipment in modern departmental store. Duties will include control of staff, organisation of cleaning and regular maintenance work and jobbing repairs, arrangement of maintenance schedules, administration of specialist maintenance contracts. Salary £900 per annum. Pension scheme.—Box 2941, "The Builder."

GENERAL FOREMEN Required in North London for (a) individual large houses; (b) alteration contracts.—Telephone: CRAMB & DEAN Ltd., HAMpstead 7421 for interview.

GENERAL FOREMAN/SUPERVISOR Required for Housing Estate development in Fleet area, Hampshire. Good prospects and permanent position.—Write stating age, references and salary required: BAILEYS (BUILDERS & CONTRACTORS) Ltd., 2a Albert-road, New Malden, Surrey.

GENERAL FOREMAN Required by medium-sized East London builders for work in the London area. Must have had first-class all round experience and knowledge of new and alteration work. The position is permanent to a man of ability and carries participation in Pension scheme.—When replying, state age, experience and salary required, to Box 2924, "The Builder."

CARPENTERS & JOINERS

SETTERS-OUT Required for new developments in Shopfitting and Architectural Metalwork. Permanent, pensionable appointments. Or will train suitable young tradesmen.—Write, full details, Secretary, AJAX ALUMINIUM Ltd., Kangley Bridge-road, S.E.26.

FOREMAN JOINER Required for a small joinery works. Able to do own setting out.—Apply, BRIDGE WALKER, Ltd., 40 Drewstead-road, S.W.16. STR 5667.

CLERKS

GENERAL CLERK Required for Civil Engineering Contractors' Office, N.W. London.—Write, stating details of previous experience and salary required, to, LEONARD FAIRCLOUGH (LONDON) Ltd., Gordon House-road, N.W.5.

COST AND ACCOUNTS CLERK Required by City Builders—Contract and Jobbing, Variations and Final Accounts. Details of experience and salary required to Box 2841, "The Builder."

A. MONK & COMPANY, LIMITED

require

SITE CLERKS

for major Civil Engineering and Building Contracts in various areas of England and Wales. Experience in preparation of Wages Sheets and P.A.Y.E. essential. Replies, which will be treated in confidence should be addressed to the Accountant, A. Monk & Company, Limited, Padgate, Warrington, Lancashire, and must give details of previous experience and state age and salary required.

CLERK Required for Invoice Department. Knowledge of building materials essential. Excellent salary and prospects.—Details of experience, etc., to Office Manager, TERSONS Ltd., 4 Dollis-park, Finchley, London, N.3.

EXPERIENCED ACCOUNTS CLERK Required for Building and Civil Engineering Contractors in London. Duties will include checking suppliers' invoices, maintenance of contract ledgers, etc. Salary will be about £650 p.a.—Box 2842, "The Builder."

TYPIST AND GENERAL OFFICE DUTIES for Quantity Surveyors, W.C.1.—Experience, age and salary required to Box 914, "The Builder."

SHORTHAND TYPIST, West End Builders. Good salary, holiday arrangements honoured.—Telephone Whitehall 4903.

BUILDER'S CLERK Required. Experienced in general duties of Builder's office.—Apply stating age, experience and salary required, to W. J. DICKENS, Ltd., 12 The Mall, Ealing, W.5.

BUILDER'S ASSISTANCE Required by progressive Company, Romford area, with some experience of surveying and estimating, ordering of materials, etc. —Write stating age, experience and salary required. —Box 2874, "The Builder."

BUILDERS CLERKS

prepared to specialise on Heating, Plumbing and Electrical Accounts. Good Salaries, Life Assurance and Retirement Benefits.

Apply to Chief Surveyor.
Building Engineering Contractors Ltd.
Building Engineering House. Dysart Street, E.C.2.

BUILDERS' CLERK. HARRODS Ltd., have a vacancy for a Male CLERK in their Building and Decorating Department. Preference will be given to applicants with previous experience of building work. Permanent and pensionable position.—Apply, between 9.30 and 11 a.m. Monday to Friday, or write or telephone for special appointment to Staff Manager, 42 Hans-crescent, S.W.1. (Telephone SLOane 1234 Extension 231).

CAPABLE CLERK/TYPIST Required, preferably with some shorthand. This position offers good salary to one seeking permanent position offering attractive prospects.—Write L. F. DAVIS (BUILDERS), Ltd., 83 Geffrye-street, E.2.

BUILDER'S CLERK Required. Experienced in general duties of Builder's office.—Apply stating age, experience and salary required, to W. J. DICKINS, Ltd., 12 The Mall, Ealing, W.5.

YOUNG COST CLERK, with experience of estimating in contractor's office. Required for interesting position assisting Chief Estimator in Quantity Surveyor's office on approximate estimates, pricing final accounts, etc. Age 22/30. Salary £600/£1,500 per annum according to experience, plus overtime. Good prospects.—Box 2938, "The Builder."

TYPIST/CLERK Required for Buying Department. Good salary to the right person.—BOVIS Ltd., 1 Stanhope-gate, W.1. Grosvenor 8830.

COPY TYPIST Required for Measuring and Costing Department.—BOVIS Ltd., 1 Stanhope-gate, W.1. Grosvenor 8830.

BUILDERS' CLERK Required for increased costs, plant records, wages, etc. Accommodation available. —Reply stating age, experience and salary required to The Secretary, C. MISKIN & SONS, Ltd., Romeland House, St. Albans.

ACCOUNTS ASSISTANT Required for Builder's office in Strand. Good prospects, salary, bonus, luncheon vouchers. 1960 holidays honoured?—Write giving particulars to: The Secretary, G. E. WALLIS & SONS Ltd., 231 Strand, W.C.2, or Tel.: FLE 5362.

OVERSEAS APPOINTMENTS

Prepaid rate, 24 words, 8/6; additional 6 words, 2/-. Box number, including Forwarding Replies, 2/-.

AUSTRALIA. ARCHITECT, Senior, with practical experience. Required in Melbourne to take charge of Specification Department for major architectural firm on wide variety of building projects. Duties include research and site investigation of latest building techniques. Fares paid and three-year service contract. Salary over £A2,000 per annum by arrangement. Ample accommodation available for rent or purchase.—Reply, in writing, stating qualifications, experience, age, size of family and when available. Box 2940, "The Builder."

SYDNEY, AUSTRALIA. Experienced ARCHITECTURAL ASSISTANT Required. Commencing salary £A2,000.—Box 2631, "The Builder."

ARABIAN GULF. QUANTITY SURVEYOR Required by professional firm. Eighteen month tour with preliminary period in London office. Substantial salary with accommodation and car allowance provided. No local income tax. Bachelor preferred age over 25.—Apply stating qualifications and experience to Box 987, "The Builder."

A SENIOR fully qualified QUANTITY SURVEYOR with good personality and drive for responsible position to take charge of branch office of busy professional firm in West Africa. Substantial salary for the right man with free accommodation, passages and transport for surveyor and family; 18 month tours—Brief details of qualifications to Box 930, "The Builder."

AUSTRALIA, SYDNEY & MELBOURNE

Experienced Takers-Off required for 3 year contracts. £A1,900, £A,2,000, £A2,100, plus considerable overtime at increased rate, bonus on completion of contract. Fares to Australia paid. Perfect working conditions in air-conditioned office. Extra holidays. Continuation contract may be obtained.

Box 2664 The Builder

TAKERS-OFF of Intermediate to Final Standard Required by Westminster Quantity Surveyors to work in the London office. Excellent opportunities for proceeding to Branch Offices overseas as resident surveyors as and when vacancies arise.—Apply stating age and qualifications, Box 941, "The Builder."

ASSISTANT BUILDING MANAGER

required for **INDIA** by

The Cementation Group of Companies

Building work to the value of £1,000,000 at the Durgapur Steel Works Site includes an 8 storey office block, area offices and works buildings.

Applicants, preferably qualified and between 35 and 40 years of age, will have administrative experience with a large building Company, and experience of quantity surveying, tenders, and sub-contract payments.

The tour will be for 2½ years, with an attractive salary, Indian Income Tax free. A site bonus scheme is in operation. Please write stating age, experience, present salary and quoting 212 to:

THE PERSONNEL OFFICER,
THE CEMENTATION COMPANY LTD.,
20, ALBERT EMBANKMENT,
LONDON, S.E.11.

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